

RAJKUMAR S

30C, THAMMANA STREET,
KOMARAPALAYAM,
NAMAKKAL DISTRICT – 638183.
Email ID: sivamanirajkumar@gmail.com
Contact No: +91-9003718103



EDUCATIONAL BACKGROUND

- Pursuing Doctorate of Philosophy in Information of Communication Engineering under Anna University, Chennai.
- Master of Engineering in Computer Science and Engineering – 8.36 CGPA – **First with Distinction** – VLB Janakiammal College of Engineering and Technology, Kovaipudur, Coimbatore - Anna University of Technology, Coimbatore.
- Bachelor of Engineering in Computer Science and Engineering – 73% - **First Class** – Velalar College of Engineering and Technology, Thindal, Erode - Anna University, Chennai.

PROFESSIONAL EXPERIENCE

- **Assistant Professor**

May 2011 - Till Date

Department of CSE - K.S Rangasamy College of Technology, Tiruchengode.

ACHIEVEMENTS

- Serving as a **Primary Evaluator** in *Toyathon 2021* jointly organized by AICTE and MHRD, Government of India.
- Serving as a **ICT Academy Coordinator** in K. S. Rangasamy College of Technology, Tiruchengode from May 2021 to till date
- Serving as a **Career Guidance and Corporate Relations (CGCR)** Institutional Coordinator in K. S. Rangasamy College of Technology, Tiruchengode from Jan 2021 to till date.
- Serving as an **Overall Training Coordinator** in K. S. Rangasamy College of Technology, Tiruchengode from May 2015 – Dec 2020

- Serving as a **Training Coordinator** in the Department of Computer Science and Engineering during the year May 2011- April 2015.
- Serving as an Institution **Single Point of Contact (SPoC)** for Smart India Hackathon jointly organized by AICTE and MHRD, Government of India, 2017 to 2020 & 20212
- Serving as a **MENTOR** for the team HACK FEST in Smart India Hackathon'17 jointly organized by AICTE and MHRD, Government of India, held at Manipal.
- Got "**BEST FACULTY PERFORMER**" award in Wipro TalentNext Project Readiness Program for the academic year 2016 - 2017 & 2018 - 2019.
- Serving as a **MENTOR** for the team College Times in Toyathon 2022 jointly organized by AICTE and MHRD, Government of India, held at Panipat.

TECHNICAL SKILLS AND FIELD OF INTEREST

- Having experience in teaching programming languages, programming concepts and several Computer Science and Engineering subjects.

CERTIFICATION COURSES

- Completed *Cisco CCNA Certified Instructor* course in Amrita University in the year of 2011.
- Completed NPTEL 4 Week Online Certificate Course on "**Body Language: Key to Professional Success**" with *ELITE* Grade, Consolidated Score of 66% Conducted by IIT, Roorkee.
- Completed "*Foundational Artificial Intelligence*" an industry recommended and validated Course to SSC NASSCOM Foundation AI Curriculum on 22nd April 2020.
- Completed three hours of "*CSS & JavaScript*" online certification courses through UDEMY.
- Completed "*Introduction to R*" online certification courses through Great Learning Academy.
- Completed "*Embracing Change*" online certification courses through HARAPPA Education.
- Completed NPTEL 4 Week Online Certificate Course on "**Python for Data Science**" with *ELITE + Silver* Grade, Consolidated Score of 81% Conducted by IIT, Madras.

- Completed NPTEL 12 Week Online Certificate Course on “**Introduction to Internet of Things**” with *ELITE* Grade, Consolidated Score of 65% Conducted by IIT Kharagpur.
- Completed NPTEL 12 Week Online Certificate Course on “**Introduction to Industry 4.0 and Industrial Internet of Things**” with *ELITE + Silver* Grade, Consolidated Score of 75% Conducted by IIT Kharagpur.

INTERNATIONAL JOURNALS

- Published a paper “**XML Data Search with Query Assistance and Semantic Analysis**”, International Journal of advanced and innovative research (IJAIR), Vol-2, Issue-4 April-2013, ISSN: 2278-7844.
- Published a paper “**Analyse the new path weight using Hop by hop routing mesh networks**”, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), ISSN: 2320-9801.
- Published a paper “**Automation of Assembly Modelling Systems with IoT and cloud computing**”, International Journal of advanced and innovative research (IJAIR), Vol-3, Issue-12 Dec-2014, ISSN: 2278-7844.
- Published a paper “**A Dexterous Approach to Monitor Street Light Systems using LDR and GSM Technologies**”, International Journal of Advanced Engineering Research and Science (IJAERS), Vol-3, Issue-1, Jan- 2016, ISSN: 2349-6495.
- Published a paper “**A Proficient Panel Data Analysis for Prediction of Economic Development in South Asian Countries**”, International Journal of Research and Analytical Reviews (IJRAR), Vol-6, Issue-1, Feb-2019, E-ISSN: 2348-1269, P- ISSN” 2349-5138.
- Published a paper “**An Efficient approach for analyzing the twitter posts using classification techniques**”, International Educational Applied Research Journal (IEARJ), Vol-04, Issue-03, Mar-2020, E-ISSN: 2456-6713.
- Published a paper “**Mining human activities in smart home for health care application**”, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol-08, Issue-03, Mar-2020, ISSN:2320 9801.

- Published a paper **“Activity Analysis using Biosensor in Machine Learning”**, International Journal of Pharmaceutical Research (IJPR), **SJR Impact Factor: 0.282**, Indexed by **Scopus**, Vol-09, Issue-03, Sep-2020, ISSN: 0975-2366.
- Published a paper **“Web Based Agile meeting dashboard integrated with Email and Chat Server”**, International Journal of All Research Education & Scientific Methods (IJARESM), Vol-09, Issue-04, April-2021, ISSN: 2455-6211.
- Published a paper **“Business Automation and sales prediction in shopping malls with machine learning approach”**, International Journal of Advance Research and Innovative Ideas in Education (IJARIIE), Vol-07, Issue-02, April-2021, ISSN: 2395-4396, DOI: 16.0415/IJARIIE-13989.
- Published a paper **“Automated Ischemic Stroke Subtyping Based on Machine Learning Approach”**, International Journal of Advance Research and Innovative Ideas in Education (IJARIIE), Vol-07, Issue-02, April-2021, ISSN: 2395-4396.
- Published a paper **“A Competent approach to predict the crop yield based on soil condition using CNN algorithm”**, International Journal of Health Sciences (IJHS), 6(S4), 5006–5016. <https://doi.org/10.53730/ijhs.v6nS4.9230>, ISSN 2550-6978 E-ISSN 2550-696X, Indexed by **Scopus**, June-2022.
- Published a paper **“Hospital health monitoring on cloud using blockchain technology”**, International Journal of Health Sciences, 6(S6), 1350–1359, <https://doi.org/10.53730/ijhs.v6nS6.9746>, ISSN 2550-6978 E-ISSN 2550-696X, Indexed by **Scopus**, June-2022

INTERNATIONAL CONFERENCES

- Published a paper **“An Efficient Approach to Predict Tumor in 2D Brain Image Using Classification Techniques”**, International Conference on Information Communication and Embedded Systems ICICES 13.

- Published a paper “XML Data Search with Query Assistance and Semantic Analysis” in the International Conference on Innovative in Communication, Information and Computing - Sasuire College of Engineering, Tirupur.
- Published a paper “Analyse the new path weight using HOP BY HOP routing mesh networks”, International conference on global innovation in computing technology ICGICT'14, Jay Shriram Group of Institution 6th and 7th of March 2014.
- Published a paper “Preventing Mobility Device Intrusion and Theft using Biometric Fingerprint Recognition”, Jay Shriram Group of Institutions, Tirupur, held on 6th and 7th March 2014.
- Published a paper “A Competent approach to detect context based word index model for document using summarization techniques”, Sri Subramanya College of Engineering and Technology, held on 11th March 2015.
- Published a paper “An Efficient Approach to Protect and Enhance the User Password using Audio/Video Streaming”, International Conference on Innovation in Science, Engineering & Technology, GreenTech college of Engineering for women, 2016.
- Published a paper “Investigate the Cohort of side-information using metadata in text documents”, International conference on recent innovations in engineering, Sri Subramanya College of Engineering and Technology, held on 25th March 2016.
- Published a paper “Crime analysis and prediction using data mining techniques”, International Conference on New Scientific Creations in Engineering & Technology, Nadar Saraswathi College of Engineering & Technology, held on 22nd March 2019.
- Published a paper “Time series analysis forecasting using autoregressive integrated moving average”, International Conference on Engineering and Technology ICET2020, Selvam College of Technology, held on 4th March 2020.

NATIONAL CONFERENCES

- Published a paper on “A Proficient approach 2D Brain Image using Classification Techniques” in Second National Conference on Information, Networking and Communication Technologies – Dr.Mahalingam College of Engineering and Technology, Pollachi.

- Published a paper on “An Efficient approach to predict tumor in 2D Brain Image using Classification Techniques” in Sixth National Conference on Advances in computing and Networking – S.A Engineering College, Chennai.
- Published a paper on “Assurance for secured storage of data in cloud computing” in National conference on Information and Communication Technology.

FDP, STTP, SEMINAR, WORKSHOPS & WEBINAR

- Participated in One Day seminar on “IT Awareness Enhancement Program” organized by K S Rangasamy College of Technology, Tiruchengode on 02nd August 2011.
- Participated in One Day seminar on “Software Project Management” organized by K S Rangasamy College of Technology, Tiruchengode on 24th August 2012.
- Participated in the National Workshop on “Research Methodologies – Cloud Computing” organized by CSI College of Engineering, Ketti on 01st and 02nd March 2013.
- Participated in One Day workshop on “Mysteries of pointers and Data Structures” organized by Sri Eshwar college of Engineering, Coimbatore on 16th August 2013.
- Participated in CSI sponsored Two Days National level Seminar on “Advanced Web Technology” organized by Nandha Engineering College, Erode on 3rd and 4th January 2014.
- Participated in CSI sponsored Two Days Hands on training on “Research Tools for Data Mining and BigData Analytics” organized by K S R College of Engineering, Tiruchengode on 13th and 14th October 2014.
- Participated in a Two-Week ISTE Workshop on “Cyber Security” conducted by IIT, Bombay from 10th July to 20th July 2014. This Workshop was under the National Mission on Education through ICT (MHRD).
- Participated in a Two-Week ISTE STTP on “Introduction to Design of Algorithms” conducted by IIT, Kharagpur from 27th April to 30th May 2015. This Workshop was under the National Mission on Education through ICT (MHRD).
- Participated in ISTE Sponsored Short-Term Training programme on “Open-Source Software Development & its Engineering fields” organized by Department of CSE, Muthyammal Engineering College on 25th to 30th January 2016.

- Participated in one-day convention on Smart India Hackathon'17 organized by K S R College of Engineering on 30th Jan 2017.
- Participated in a One-Week Short Term training programme through ICT mode on "Development of Laboratory Instruction and manual" conducted by National Institute of Technical Teachers' Training and Research, Kolkata from 04th April to 08th April 2019.
- Participated in 4 Weeks NPTEL-AICTE FDP on "Body Language: Key to Professional Success" Conducted by IIT, Roorkee from July – August 2019.
- Participated in a one-day workshop on "R" conducted by ICT at IIT, Bombay on 09 November 2019. This Workshop was under PMMMNMTT, MHRD, Govt of India.
- Participated in a ATAL Academy Online FDP on "Data Sciences" from 11th to 15th May 2020 organized by NIT, Nagaland.
- Participated in a 3 day online FDP on "Exploring Machine Learning Algorithms and Applications" from 21st to 23rd May 2020 conducted by Kongu Engg College.
- Participated in 4 days online FDP on "Machine Learning and Deep Learning Techniques and its Applications" from 01st to 04th June 2020 conducted by PSNA College of Engg and Tech.
- Participated in One Week National level online FDP on "Computer Networks simulation using NS2" from 10th to 14th August 2020 organized by Dept of CSE, MGIT in association with TASK, Telangana.
- Participated in 10 hours of online LIVE FDP on "Process Management in Problem Solving" from 18th to 22nd August 2020 organized ICT Academy.
- Participated in the International conference on AI, Robotics and Automation from 14th to 18th October 2020, organized ICT Academy.
- Participated in an ATAL Academy Online FDP on "Artificial Intelligence" from 01st to 05th February 2021 organized by G Pulla Reddy Engg College, AP.
- Participated in 12 hours of online LIVE FDP on "Introduction to Python Programming" from 26th to 30th April 2021 organized ICT Academy.
- Participated in an ATAL Academy Online FDP on "Cyber Security, Ethical Hacking and Cyber Crime" from 12th to 16th July 2021 organized by University of Kashmir.

- Participated in the Faculty Development Program on “Virtual Labs” from 23rd August 2021 organized by the PALS-VLABS initiative with NITK Surathkal.
- Participated in an ATAL Academy Online FDP on “Introductory Data Science & Deep Learning” from 16th to 20th September 2021 organized by International Institute of Information Technology, Naya Raipur.
- Participated in an ATAL Academy Online FDP on “Internet of Things and Human-Computer Interaction” from 08th to 11th November 2021 organized by National Institute of Technology, Goa.
- AICTE & NPTEL organized a 4-week Faculty Development Program on “Python For Data Science” IIT Kharagpur during the month of September – October 2021.
- Participated in a 5-day online Faculty Development Program on “Mathematical Foundations of Data Science” from 09th October to 21st November 2021 organized by PSGiTech in association with PSG CARE and PSG Tech, Coimbatore.
- Participated in 6 day online Short Term Training Programme (STTP) on “Information Security” from 06th January to 12th January 2022 sponsored by AICTE & organized by Anna University conducted by MIT Campus, Anna University, Chennai.
- AICTE & NPTEL organized a 12-week Faculty Development Program on “Introduction to Internet of Things” IIT Kharagpur, during the month of January – February 2022.
- Participated in a 6 day online Faculty Development Training Programme (FDTP) on “Machine Learning Techniques” from 11th July to 16th July 2022 organized by Anna University conducted by MIT Campus, Anna University, Chennai.
- Participated in a 2-day national level summit on “CyberSecurity” organized by NCDRC from 26th Aug and 27th Aug 2022 at Kongunadu college of arts and science college, Coimbatore.
- Participated in a 5 day online Faculty Development Programme on “Recent Trends in Artificial Intelligence and Machine Learning Techniques” from 26th September to 30th September 2022 organized by Department of CSE, Siddhartha Institute of Science and Technology, Puttur.

- AICTE & NPTEL organized a 12-week Faculty Development Program on “Introduction to Industry 4.0 and Industrial Internet of Things” IIT Kharagpur, during the month of July – October 2022.

ORGANIZED EVENTS

- **“National Network Security Championship – 2014”** in India associated with IIT Delhi at K. S. Rangasamy College of Technology on 26th & 27th December 2013.
- **“PHP – Rejuvenate Server Side Programming”** at K. S. Rangasamy College of Technology on 17th August 2013.
- Contributed as a Teaching Assistant in the successful completion of the one-week ISTE workshop on **“Computer Programming”** conducted by IIT, Bombay from 16th June to 21st June 2014. This Workshop was under the National Mission on Education through ICT (MHRD).
- Conducted 24 hours **“Internal Hackathon for Smart India Hackathon 2020”** on 10th January 2020 at K.S.Rangasamy College of Technology, Tiruchengode
- Organized a 5-day Virtual Tech Web Series on **“Database Management Systems”** exclusively for KSRCT 2022 Batch students from 08th to 12th March 2021.
- Conducted 10 hours **“Internal Hackathon for Smart India Hackathon 2022”** on 19th March 2022 at K.S.Rangasamy College of Technology, Tiruchengode.
- Act as a SPoC for DxC Technologies associate with ICT Academy initiated CSR activity Centre for Woman empowerment (CoWE) course named **“Cloud Infrastructure and its services”** only for female students’ of 2022 batch.
- Act as a Program coordinator for CISCO associate with ICT Academy initiated **“Programming essentials for python”** 2022 & 2023 batch students.
- Act as a Program coordinator for CISCO associate with ICT Academy initiated **“Cybersecurity”** 2023 & 2024 batch students.
- Act as Program Coordinator for **BHUMI initiated CSR activity Skilled Programme**, conducted Java & Python training programme for 2023 batch students.

ORGANIZATIONAL RESPONSIBILITIES

- Contributed and coordinated work for institute's certification such as,

1. ISO auditing
 2. NBA (National Board of Accreditation)
 3. NAAC (National Assessment and Accreditation Council)
 4. NIRF (National Institute Ranking Framework)
- Guided several batches of final year projects for both undergraduate and postgraduate.
 - Organized several meetings and seminars for Intra and Inter college departments

CERTIFICATE OF MERIT

- Produced merit result in the course “**JAVA PROGRAMMING**” in the End Semester Examinations – Apr/May 2016
- Produced merit result in the course “**ADVANCED OPERATING SYSTEMS**” in the End Semester Examinations – Nov/Dec 2016

SUBJECTS HANDLED

- Fundamentals of Computing
- Data Structures using C
- Object Oriented Programming
- Java Programming
- Computer Organization and Architecture
- Advanced Operating Systems
- Total Quality Management
- Cryptography and Network Security
- Computer Architecture
- Mobile Computing
- Python Programming
- Web Technology
- Data warehousing and Mining
- Wireless Sensor Networks
- Social Network Analysis
- Data Science

PERSONAL INFORMATION

Date of Birth : 23-11-1987
Gender : Male
Nationality : Indian
Languages known : English & Tamil



(RAJKUMAR S)