

KEERTHANA PALANIVEL

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Personal Profile:

Sex	:	Female
DOB	:	05-04-1994
Nationality	:	Indian
Hobbies	:	Listening to music, chatting with friends.
Languages Known	:	English, Tamil

STRENGTHS:

Adaptability, Self-confidence.

OBJECTIVE:

To work on a challenging job which provides an opportunity to enhance my technical skills and knowledge, this could provide me an insight into new aspects so that it would be helpful for my career.

EDUCATIONAL QUALIFICATION:

➤ **M.E (Computer Science and Engineering) 2015-2017**

K.S Rangasamy College of Technology, Tiruchengode.

Percentage: 89% (NHA)

First Class With Distinction.

BEST OUTGOING STUDENT

➤ **B.Tech (Information Technology) 2011-2015**

K.S.R Institute for Engineering and Technology, Tiruchengode.

Percentage: 69% (NHA)

First Class.

➤ **HIGHER SECONDARY (XII - Standard) 2011**

Vetri Vikaas Girls Higher Secondary School, Rasipuram.

Percentage: 65%

First Class.

➤ **S.S.L.C (X – Standard) 2009**

Holy Angels Matriculation School, Tiruchengode.

Percentage: 72%

First Class.

AREA OF INTEREST:

- Artificial Intelligence, Python Programming.

EXPERIENCE:

1. I am working as an Assistant Professor in the Department of Information Technology in K.S.R Institute for Engineering and Technology from 19th December 2019 to 14th July 2023. I handled both Theoretical and Practical oriented subjects.
2. I worked as an Assistant Professor in the Department of Computer Science and Engineering in Sri Shanmugha College of Engineering and Technology from 6th September 2017 to 17th December 2019. I handled both Theoretical and Practical oriented subjects.

PROJECT GUIDED:

S.No	Title of the Project	Name of scholar	UG/ PG	Period
1	Network Capacity Based Geographical QoS Routing For Multimedia Streams Over Manet	Thenmozhi M	UG	1 Semester
2	T-Tracking Algorithm For Data Tracking In Wireless Sensor Networks	Gayathri R	UG	1 Semester
3	Student Grievance Supported System	Karthika M	UG	1 Semester
4	A Hybrid Model for load balancing in cloud using file type formatting	Manikandan A	UG	1 Semester
5	A Time Series Mining Approach for Agricultural Area Detection	Sathish Kumar P	UG	1 Semester

MINI PROJECT:**1. TITLE : INVENTORY SYSTEM FOR SUPER MARKET**

LANGUAGE : JAVA

DESCRIPTION : The project is used to maintain the stock details super market and having billing system.

2. TITLE: AN ENERGY EFFICIENT TECHNIQUE FOR OBJECT TRACKING IN WIRELESS SENSOR NETWORKS

LANGUAGE : SLEEP-AWAKE MECHANISM

DESCRIPTION : To predict the future location of moving objects using this effective mechanism for improving battery life while tracking, reduce the energy consumption and also avoids the missing rate.

MAIN PROJECTS:**1. TITLE: CRUSTOSE USING SHAPE FEATURES AND COLOR HISTOGRAM WITH K - NEAREST NEIGHBOUR CLASSIFIERS**

TECHNIQUE : NEURAL NETWORK

DESCRIPTION: Analyzing various Medicinal and Eatable Lichen which cure the cancer disease using fuzzy logic technique has Accuracy between 90% - 100% which made the system most accurate and precise method for identification of lichens.

2. TITLE: INNOVATING LINKS USED ON SIMILARITY OF USER-SHARED IMAGES IN SOCIAL MEDIA BY BIG DATA

TECHNIQUE : BoFT

DESCRIPTION : To Label user shared images with BoFT labels on over millions of user shared images privacy settings, privilege settings, limitations of file size in MB and uploads photos are the proposed work.

SOFTWARE AND HARDWARE SKILLS:

Programming

languages : C, C++, Python.

Platforms : Windows 95/98//2000/XP.

Database : SQL, Oracle.

ACHIEVEMENTS:

- Received **Best Placement Coordinator Award** during 2022 – 23 Academic year.
- Produced 90% of result in **Cloud Computing** during Apr/May 2019 Examinations.
- Produced 100% of result in **Hospital Waste Management** during Nov/Dec 2021, Nov/Dec 2022 Examinations.
- Produced 100% of result in **Object Oriented Analysis and Design** during Apr/May 2020, Apr/May 2021 Examinations.
- Produced 97% of result in **C Programming** during Apr/May 2021 Examinations.
- Produced 100% of result in **Python Programming** during Nov/Dec 2020, Nov/Dec 2021 Examinations.
- Produced 88% of result in **Software Testing** during Apr/May 2019 Examinations.
- Produced 100% of result in **Advanced Software Engineering** for PG during Nov/Dec 2018 Examinations.
- Produced 82% of result in **Internet Programming** during Nov/Dec 2018 Examinations.
- Produced 100% of result in **Social Network Analysis** during Apr/May 2018 Examinations.
- Produced 85% of result in **Mobile Computing** during Apr/May 2018 Examinations.
- Produced 100% of result in **Game Programming** during Nov/Dec 2017 Examinations.
- Produced 85% of result in **Internet Programming** during Nov/Dec 2017 Examinations.
- **BEST OUTGOING STUDENT AWARD** in ME (Computer Science and Engineering).

RESPONSIBILITY UNDERTAKEN:

- **Department EDC coordinator** for the period of 19th December 2019 to 14th July 2023.
- **Department IIC coordinator** for the period of 19th December 2019 to 14th July 2023.
- **Department ICT Academy coordinator** for the period of 19th December 2019 to 14th July 2023.
- **Department Placement coordinator** for the period of 05th June 2020 to 30th May 2022.
- **Class Advisor** for the period of Five Years for both UG and PG Programmes.
- **Department Exam cell coordinator** for the period of 06th September 2017 to 17th December 2019.
- **Department NBA Co-coordinator** for the period of 01st January 2018 to 17th December 2019.
- **Mentor** to the students for the period of 01st January 2018 to 14th July 2023.
- **Department Scholarship coordinator** for the period of 01st January 2018 to 17th December 2019.
- **Incubation Center In-charge and Lab In-charge** for the period of 01st June 2018 to 17th December 2019.
- **Department Co-Curricular Activities Incharge** for the period of 01st January 2019 to 17th December 2019.
- **Department AICTE and Anna University Inspection Co-Incharge** for the period of 01st January 2019 to 17th December 2019.

PUBLICATION RECORD:

- Presented a Paper on “**ANALYSE FEATURES OF LICHEN USING COLOR HISTOGRAM WITH K-NEAREST NEIGHBOUR CLASSIFIER**” in 5th ICLTSET Organized by Karpagam Institute of Technology at Coimbatore (Indexed in GOOGLE Scholar).
- Presented a Paper “**IDENTIFY PATTERN RECOGNITION OF IMAGE USING K-NEAREST NEIGHBOUR CLASSIFIER**” in 5th ICLTSET Organized by Karpagam Institute of Technology at Coimbatore (Indexed in GOOGLE Scholar).

- Published a paper on **“T-TRACKING ALGORITHM FOR DATA TRACKING IN WIRELESS SENSOR NETWORKS”** in **IJESRT**, ISSN: 2277-9655, Volume 7, 2018
- Published a paper on **“NETWORK CAPACITY BASED GEOGRAPHICAL QOS ROUTING FOR MULTIMEDIA STREAMS OVER MANET “** in **IJESRT**, ISSN: 2277-9655, Volume 7, 2018
- Published a Research Paper on **“INFRASTRUCTURE CLOUD USING VIRTUAL MACHINE”** in **IJIRSET**, Volume 5, Special Issue 9, May 2016, DOI:10.15680/IJIRSET.2016.0506501.
- Published a Research Paper on **“CRUSTOSE USING SHAPE FEATURES AND COLOR HISTOGRAM WITH K - NEAREST NEIGHBOUR CLASSIFIERS”** in **IJFISER**, Volume 3, Issue 1, March 2017, ISSN (Online):2454- 1966.

PRESENTATION:

- Presented a paper on **“T-TRACKING ALGORITHM FOR DATA TRACKING IN WIRELESS SENSOR NETWORKS”** in 2nd National Conference on CEIET-2019 organized by Cheran College of Engineering at Karur
- Presented a Paper on **“CLOUD COMPUTING”** in K.S.R College of Technology at Tiruchengode.

CO - CURRICULAR ACTIVITIES:

- Attended Five Days Anna University and AICTE sponsored Faculty Development Training Program on **“PROBLEM SOLVING AND PYTHON PROGRAMMING”** conducted by Madras Institute of Technology at Chennai.
- Attended Seven days Anna University approved Faculty Development Program on **”PROBLEM SOLVING AND PYTHON PROGRAMMING”** conducted by Knowledge Institute of Technology at Kakapalayam
- Attended Two days Faculty Development Program on **“INTRODUCTION TO CLOUD INFRASTRUCTURE AND SERVICES”** conducted by ICT Academy at Sri Shanmugha College of Engineering and Technology, Pullipalayam
- Attended Two days Faculty Development Program on **“INTRODUCTION TO BIG DATA ANALYTICS”** conducted by ICT Academy at JKK Nataraja College of Engineering and Technology, Komarapalayam
- Successfully completed an AICTE approved Faculty Development Program (FDP101x) on **“FOUNDATION PROGRAM IN ICT FOR EDUCATION”** conducted by Indian Institute of Technology Bombay from September 13, 2018 to October 18, 2018.
- Attended DHR-ICMR Six days National level Workshop on **“ARTIFICIAL INTELLIGENCE IN MEDICAL AND HEALTHCARE APPLICATIONS”** conducted by Kongu Engineering College at Perundurai.

EXTRA - CURRICULAR ACTIVITIES:

- Organized various Events in Women’s Day Celebration.
- Organized various Events in Department Association.
- Got certified on Mobile Computing – A Practical Approach from E & ICT Academy, Indian Institute of Technology, Kanpur

DECLARATION:

I hereby declare that all the details furnished above are correct and true to my knowledge.

Place: Tiruchengode
Date: 14.07.2023

Your’s faithfully,
KEERTHANA.P