

RAGHAVI SELVARASU



Current Address

St. Joseph's College of Engineering, OMR, Chennai 600119, Tamil Nadu, India

Permanent Address

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Scopus ID

<https://www.scopus.com/authid/detail.uri?authorId=57191618150>

Personal Data

Date of Birth : 04/07/1998

Gender : Female

Nationality: Indian

Marital Status: Single

Career Intent

A Master's degree holder passionate about working to further enhance the educational offerings by delivering learning to others.

Educational Qualification

DEGREE	INSTITUTION	YEAR OF PASSING	PERCENTAGE
ME CSE	College of Engineering, Guindy	2022	85.00
BE CSE	SRM Valliammai Engineering College	2020	68.90
HSC	SRV Girls Higher Secondary School	2016	90.00
SSLC	Arasunagar Matric Higher Secondary	2014	97.00

Professional Experience

GRADE	INSTITUTION	YEARS OF EXPERIENCE
Assistant Professor	St. Joseph's College of Engineering, OMR, Chennai	2 years

Key Experience

- Handled core computer science subjects - Cryptography and Network Security, Design and Analysis of Algorithms, C Programming, Software Testing, Object Oriented Analysis and Design for Under Graduate students.
- Collaborated with professors on curriculum revision, evaluation of course syllabi and formulation of lesson plans for academic curriculum.
- Coordinated Board of Studies (BOS) meetings for curriculum enhancement.
- Coordinator of 3rd International Conference on Advances in Computing Communication and Applied Informatics (ACCAI-2024).
- Acted as Student Counsellor for UG students and guided them in analyzing academic performance of students.
- Delivered engaging curriculum through diverse methods of classroom instruction, computer lab activities and online learning systems.
- Acted as a panel member for final year students and scrutinized their projects.
- Mentored pre final year and final year students regarding the internship and employment opportunities.
- Organized Value Added Programs for final year students.
- Responsible for Industry-College Collaboration in organizing Faculty Development Programs and workshops for Students.
- Organized and presided over student visits to NGOs every quarter.
- In charge of Department Newsletter.

Publication

- **Optimized Weights on DCNN Using Ant Colony Optimization (ACO) Metaheuristic Algorithm**
Futuristic Trends in Computing Technologies and Data Sciences Volume 3 Book 9, Volume: 3, Month: May, Year: 2024
- **Development of a Robust Stock Market Prediction Mechanism based on Enhanced Comprehensive Learning Principles**
2023 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering, RMKMATE 2023, 2023
- **Recognition of Characters using PCE based Convolutional LSTM Networks from Palaeographic Writings**
2023 International Conference on Innovative Trends in Information Technology, ICITIIT 2023, 2023

Academic Project

- **Recognition of Ancient Words from Stone Inscriptions using Convolutional-LSTM Network**
(01/2022 – 06/2022) Language used: Python.
Developed a method to identify the missing characters in Tamil Inscriptions.
- **Efficient Feature Extraction Techniques for Character Recognition of Tamil Stone Inscriptions**
(09/2021 – 01/2022) Language used: Python.
Developed an efficient model to identify the best classifier for 11th century Tamil character recognition.
Developed a method to identify compound Tamil characters in the ancient stone inscriptions.

Internship

Website Developer-Intern, 2017

Worked as an intern in the website development area
Project: Performance Appraisal System
Neyveli Lignite Corporation Limited, Neyveli.

Certification

- **Design and Analysis of Algorithms**
NPTEL, 2024
- **Introduction to Python Programming**
Infosys Springboard, 2023
- **Cryptographic methods**
Infosys Springboard, 2023

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and nothing is being concealed.

Yours sincerely,
Raghavi S

Areas of Interest

- Machine Learning
- Deep Learning
- Natural Language Processing
- Image Processing

Programming Language

- Python
- C
- SQL
- HTML, CSS
- JavaScript

Subjects Handled

- Design and Analysis of Algorithms
- Information Retrieval Techniques
- Cryptography and Network Security
- C Programming
- Python Programming
- Software Testing
- Object Oriented Analysis and Design
- Data Structures Laboratory
- Database Design and Management Laboratory

Language Proficiency

- English
- Tamil