



~ Software Engineering ~ Project Coordination

Results-driven Assistant Professor and Systems Engineer Trainee with expertise in Artificial Intelligence, Data Science, Soft Computing, Distributed Computing, and Computer Graphics & Image Processing.

PROFILE SYNOPSIS

- Passionate about developing innovative solutions in machine learning, cybersecurity, and software engineering.
- Experience in both academia and industry; successfully taught and mentored students, developed curriculum, and conducted research in **AI, Data Science, and Security**.
- Additionally, worked on **real-world projects in software development and cybersecurity**, demonstrating my ability to bridge the gap between theoretical knowledge and practical implementation.
- Strong foundation in **Python, Java, C++, Machine Learning, Deep Learning, and Cloud Computing**.
- Proven ability to mentor students, conduct research, and implement technical solutions.
- Well-versed in **Agile methodologies, CI/CD pipelines, and DevOps practices**.
- Seeking opportunities to leverage academic knowledge and industry experience in a challenging environment.

CORE COMPETENCIES

Software Development Lifecycle (SDLC)	Teaching and Tutoring	Cloud Computing (Google Cloud, AWS, Azure)
Requirement Gathering	Curriculum Design	Student Mentorship
Architecture Design	Application UAT & Testing	Agile Methodologies
Stakeholder Relationship	Research & Development	Team Leadership & Mentorship

WORK EXPERIENCE

Infosys, Mysore   Systems Engineer Trainee	Oct 2024 – Feb 2025
<ul style="list-style-type: none"><li>Underwent comprehensive training in <b>Software Development, Programming Languages, and IT Systems</b>, focusing on industry best practices.</li><li>Developed foundational expertise in programming, databases, software engineering principles, and system architecture.</li><li>Worked on real-world projects &amp; case studies, applying problem-solving techniques to design and optimize software solutions.</li><li>Gained hands-on experience with coding, debugging, and testing software applications using industry-standard tools and methodologies.</li><li>Collaborated with peers and mentors on technical assignments, improving logical thinking and analytical skills.</li></ul>	

TEACHING EXPERIENCE

College of Engineering Trikaripur, Cheemeni, Kasargod	Jul 2024 – Sep 2024
Assistant Professor	
Subjects Taught: Artificial Intelligence, Formal Languages and Automata Theory, Compiler Lab	
Lal Bahadur Shastri College of Engineering, Kasargod	Aug 2023 – May 2024
Assistant Professor	
Subjects Taught: Artificial Intelligence, Data Science, Soft Computing, Compiler Lab, Network Lab	
Sadguru Swami Nithyananda Institute of Technology, Kushal Nagar, Kanhangad, Kasargod	Feb 2023 – Jun 2023
Assistant Professor	
Subjects Taught: Distributed Computing, Computer Graphics & Image Processing	

Key Role across Assignments

- Delivered in-depth lectures and hands-on lab sessions on AI, Data Science, Soft Computing, Distributed Computing, and Computer Graphics & Image Processing.
- Designed and evaluated coursework, assignments, and exams to assess student understanding and application of concepts.
- Mentored students on academic projects, research initiatives, and industry-oriented applications.
- Conducted workshops, seminars, and interactive learning sessions to enhance student engagement and technical proficiency.
- Provided career guidance and academic support to students, fostering innovation and problem-solving skills.
- Collaborated with faculty on curriculum development and research activities to align with industry trends.

## PROFESSIONAL ENHANCEMENT INITIATIVES

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- **Google Cloud Certification:** Completed 5 online non-credit courses authorized by Google Cloud and offered through Coursera; Apr 12 –20, 2020
- **IEEE Student Quality Improvement Program (ISQIP):** Participated in hands-on workshops on Game Development at College of Engineering, Chengannur; Jun 13 –20, 2017
- **Hackathon (ISQIP):** Participated in a Hackathon as part of the IEEE Student Quality Improvement Program at College of Engineering, Chengannur; Jun 19 – 20; 2017
- **National Service Scheme:** Completed 240 hours of service and attended the NSS Annual Special Camp (Dec 21 –27, 2017) at College of Engineering, Chengannur; 2017 – 2019
- **SpringRole Bangalore Visit:** Engaged in various activities at the SpringRole campus, gaining insights into industry trends; Oct 15, 2018
- **PyCEC Conference:** Actively participated in organizing and attending the first Python Student's Conference at College of Engineering, Chengannur; Mar 25–26, 2017
- **Soft Skills & Life Skills Training:** Successfully completed a training program as part of the Mahindra Pride Classroom Skilling Initiative at College of Engineering, Chengannur; Jun 2019
- **Android Application Development Course:** Completed 27 hours of online training in Android app development; Sep 2019

## IT SKILLS

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- **Programming Languages:** Java, OOP, Basic python, Basic C
- **Database:** SQL, Basics of MongoDB
- **Operating Systems:** Windows, Linux

## EDUCATION

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- **M.Tech - Information Security** | College of Engineering, Trivandrum | 2022 | **CGPA : 8.84**
- **B.Tech - Computer Science & Engineering** | College of Engineering, Chengannur | 2020 | **CGPA: 7.71**

## KEY ACADEMIC PROJECTS

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### M.Tech Main Project:

- **Title: Multi-Channel Intelligent Attack Detection for Data Security**
  - Developed a **network attack detection system** to accurately identify hostile activities in network traffic before significant damage occurs.
  - Implemented **machine learning techniques** to analyze multi-channel data and improve intrusion detection accuracy.
  - Enhanced security mechanisms by minimizing false positives and improving real-time threat detection.

### M.Tech Mini Project:

- **Title: Credit Card Fraud Detection Using Machine Learning**
  - Built a **fraud detection model** to classify transactions as fraudulent or non-fraudulent based on historical transaction data.
  - Utilized **machine learning algorithms** such as logistic regression, decision trees, and neural networks to improve accuracy.
  - Conducted **data preprocessing, feature selection, and model evaluation** to optimize fraud detection efficiency.

## PERSONAL DETAILS

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- **Date of Birth:** 25<sup>th</sup> November 1997
- **Languages Known:** English, Malayalam, Hindi and Sanskrit
- **Address:** Sathya Nivas Thaikadappuram PO, Nilesishwar, Kasargod – 671314, Kerala