

Rushikesh Padaki

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Objective

As an Assistant Professor in the Department of Artificial Intelligence and Machine Learning at RV College of Engineering, I aim to contribute to the field of AI and ML through teaching and research, while enhancing students' skills and preparing them for industry challenges.

Educational Details

Work Experience

1. Assistant Professor, Department of Artificial Intelligence and Machine Learning
RV College of Engineering, April 2025 - Present
Courses Handling:

Principles of Programming using C - Lab

Introduction to Python Programming - Lab

Artificial Intelligence and Machine Learning - Lab

Cloud Computing Technology and Architectures - Tutorial

2. Software Engineer, NXP Semiconductors, Bengaluru
September 2021 - March 2025
Key Responsibilities:

Spearheading quality assurance and functional validation of TPM applications for Tier-1 OEMs for Apple and Samsung.

Maintained quality and functionality of EMV applets (Visa, MasterCard, American Express, etc.).

Developed comprehensive test plans and specifications for projects.

Executed functional, anti-tearing, memory leak, performance, and stress tests on simulators and hardware platforms.

Managed system release execution and coordinated system components.

Conducted system-level testing and provided actionable feedback to stakeholders.

Mentored interns and guided them through tasks and progress.

3. QA Developer, Evive Software Analytics Private Limited, Bengaluru

Aug 2018 - Sep 2019

Key Responsibilities:

Administered quality assurance and software testing for healthcare software.

Designed test plans, developed test cases, and executed tests to validate software functionality.

Automated testing using tools like Selenium, TestNG, and JUnit.

Specialized in test automation frameworks like Gauge, Mocha, Model-Based, Data-Driven, etc.

Technical Skills

Programming Languages: Python, C, C++, Java, JavaScript

Technologies: AI, ML, Deep Learning, NLP, RNN, LSTM, Cloud Computing, IoT, Embedded Systems, Web Development

Tools: Android Studio, AWS, Firebase, Selenium, TestNG, JUnit, Git

Platforms: Linux, Windows

Other: System Architecture, Algorithm Design, Software Development Practices, Data Structures

Academic Projects

1. Test Script Converter (Deep Learning-Based Application)

Developed an AI-powered application to convert test scripts from a legacy scripting language into modern Java-based test suites using LSTM and RNN.

2. Video-Based Transcript Summarizer for Online Courses

Created a web-based app using NLP to generate concise summaries from online video content, leveraging the TextRank Algorithm.

3. Blood Bank Availability Tracker (Mobile Application)

Designed a mobile app to track real-time blood availability across blood banks, developed using Python, JavaScript, Google Firebase, Android Studio, and AWS.

Recognition: Smart India Hackathon 2017.

4. IoT-Based Road Accident Detection and Response System

Developed an IoT module to detect accidents, assess severity, and notify authorities, utilizing Arduino, GSM, GPS, Python, IoT sensors, and AWS.

Research Publications

Title: "A Comprehensive Study on the Application of AI in Healthcare Diagnostics"

Authors: Rushikesh Padaki, Krishna Kulkarni

Published in: IEEE Access, 2022.

[Link to Paper](#)

Certifications

Emertxe Certified Embedded Professional

Duration: September 2022 to June 2023

Courses attended: Linux Systems, Advanced C, Data Structures, Linux Internals and Networking, Microcontrollers and C++ Programming

Achievements

Awarded as the Best Outgoing Student for the batch of 2022 – Master of Technology in Computer Science and Engineering

Awarded Second Rank with Silver Medal in recognition of Academic Excellence for the batch of Master of Technology in Computer Science and Engineering from RV College of Engineering (AY 2022)

Awarded Best Project for the batch of Master of Technology in Computer Science and Engineering from RV College of Engineering (AY 2022)

Personal Details

Date of Birth: 28 April, 1997

Languages Known: English, Kannada, Hindi

Hobbies: Reading, Coding, Traveling, Photography