

Roshan Raj M

Student, Quick learner, self-confident

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ABOUT ME

Self-confident and highly determined Student at Jain (Deemed-to-be University). I am a dedicated Btech Student with a strong commitment to success and passion. Proficient in Artificial Intelligence and Machine Learning. As a dedicated professional, My skills and interests ensure that I bring a diverse set of talents and a passionate, well-rounded approach to any challenge or opportunity I encounter. I also actively support and assist my team members whenever needed, demonstrating strong teamwork and collaboration skills gained during my internship at Tech Mahindra. Proficient in English, Malayalam, Tamil, and Hindi, facilitating effective communication across diverse linguistic contexts. Dedicated to continuous learning and growth, I am committed to delivering high-quality work and making a positive impact in any role I undertake.

EDUCATION

Bachelor of Technology: CSE (AI & ML)

- 2022-2026 | Jain (Deemed-to-be University) Bangalore
- CGPA – 7.4 (Pursuing)

Higher Secondary Education

- 2019 – 2021 | Seva Mandir Post Basic Higher Secondary School, Ramanattukara, Kozhikode, Kerala 673633
- Percentage : 94.5%

Secondary School

- 2018 – 2019 | Govt Ganapath Vocational Higher Secondary School, Feroke, Kozhikode, Kerala 673631.
- Percentage : 86%

INTERNSHIP

Miles Education | Machine Learning Intern | Apr 2024 – Jun 2024

- Worked on projects using Python and SQL.
- Healthcare Project: Cleaned and analyzed health data.
- Capstone Project: Combined datasets to generate insights.

Tech Mahindra | AI Intern | Dec 2024 – Mar 2025

- Developed an AI system to detect safety violations in images using computer vision.
- Gained experience in AI model integration and real-time image processing.

Six Phrase | AI & Machine Learning Intern | Jan 2025 – Apr 2025

- Built a real-time vehicle detection system using YOLOv8 and OpenCV.
- Created a Flask-based web app for live traffic analysis with dashboards and alerts.

SKILLS

- Soft Skills: Communication, Leadership, Time Management, Problem Solving
- Programming Languages: Python, SQL, Java
- Tools & Technologies: AWS(S3, EC2, Sage Maker), Microsoft PowerPoint, Word, Excel

PROJECTS

Face Recognition Assistant for Visually Impaired

- Developed an AI-based system that captures webcam input, generates image captions, summarizes them, and converts the output to speech to aid visually impaired users.
- Implemented using Python, OpenCV, NLP techniques, and text-to-speech synthesis for real-time assistance.

Traffic Vehicle Detection System

- Built a real-time vehicle detection and counting system using Python and OpenCV to analyze traffic from video feeds.
- Applied computer vision techniques for traffic monitoring and congestion analysis, gaining hands-on experience in object detection.

Project: Railway Management System

- Developed a system to manage ticket booking, train schedules, and passenger details using Python and SQL.
- Implemented database operations for real-time updates, improving efficiency and reducing manual errors.

CERTIFICATIONS

Completed 20+ **Coursera & Udemy-certified courses** from top institutions including Columbia University, University of Alberta, DeepLearning.AI, Google, and Rice University. Key topics: Causal Inference, Computer Networking, Reinforcement Learning, TensorFlow, Python Programming, DevOps, Object-Oriented Programming, Structural Dynamics, and Market Research

Link :

https://drive.google.com/drive/folders/1hK4ruEq1_ijkqIHFaLv9Q1JWzNWfmd21?usp=sharing

HOBBIES & INTERESTS

I pursue physical and mental discipline through fitness, martial arts, and arm wrestling, having achieved a Black Belt in Karate and secured 2nd place at the state level in Arm Wrestling, while also utilizing creative and technical skills in Adobe Photoshop and PowerPoint for design. My passion for continuous learning is shown by keeping up with tech news, reading non-fiction, and exploring new places on my motorcycle.