

ROSHAN VARGHESE

Valiyaveettil(H) Mukkada PO Mukkada • roshanv334@gmail.com • +91 9061855716

<https://www.linkedin.com/in/roshan-varghese-r08/>

SUMMARY

Results-driven MCA graduate passionate about solving complex problems and delivering innovative, high-quality solutions. Skilled in full-stack development, AI-powered systems, and modern tech integration. Eager to grow in a dynamic team and contribute to high-impact projects while enhancing my knowledge and skills.

PROJECTS

Road Guardian

Aug 2024 - Mar 2025

- Developed a Django-based roadside assistance platform with real-time tracking.
- Integrated CNN and NLP models to detect and verify whether incident reports are AI-generated or real images.
- Built an intelligent route optimization map with reinforcement learning to detect reported incidents, reroute traffic, and allocate the best paths to provides fast, reliable services.

Wiki Search Engine

Nov 2024 - Dec 2024

- Developed an advanced, user-friendly Wikimedia-powered search engine during the AJCE Hackathon.
- Includes voice search, location-based search, and an interactive map to analyze upload origins.
- Enhances interactivity and efficiency for a superior, hands-free search experience.

Waste Type Classifier [App]

Oct 2024 - Nov 2024

- Developed a Flutter app using CNN and NLP to scan and classify waste in real time.
 - Trained an ML model to categorize waste as e-waste, recyclable, or non-recyclable.
 - Provides an accurate material composition breakdown to support responsible disposal.
-

EDUCATIONS

Master Of Computer Applications

2023 - 2025

- Amal Jyothi College Of Engineering(Autonomous), Kanjirappally
- CGPA - 7.74

Bachelor Of Computer Applications

2020 - 2023

- MES College, Erumely
 - CGPA - 5.45
-

ADDITIONAL INFORMATION

- **Technical Skills:** C, C++, Java, JavaScript, PHP, HTML, Python, Django, React, MySQL, Flutter, Selenium, Postman, AI/ML, Git
- **Languages:** English, Hindi, Malayalam
- **Certifications:** Java Programming - Oracle Academy, Introduction To Artificial Intelligence - Infosys Springboard, Introduction To Data Science - Infosys Springboard, Joy Of Computing Using Python - NPTEL
- **Awards/Activities:** NASA Space Apps Challenge Volunteer, Wiki Conference Kerala 2024 Delegate, Wikimedia Technical Workshop Participant, GenAI Cloud & DevOps International Workshop Participant, District-Level Individual Champion in Sports (2018–2020), AJCE Hackathon Top 3 Winner – Wiki Search Engine