ROSHAN VARGHESE
DATA ANALYST | DATA SCIENTIST

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LinkedIn ● GitHub ● Portfolio

SUMMARY

Results-driven MCA graduate specializing in **data science and analytics** with strong **Python** development skills. Proficient in **SQL, Power BI, data visualization, Machine Learning model deployment,** and **AI-powered solutions** through academic projects and internship experience. Eager to apply expertise in **dashboard creation, data cleaning**, and generating **business insights** for real-world challenges.

EXPERIENCE

Data Science & Analytics Intern   **Jul 2025 - Oct 2025**
Zidio Development   Bengaluru, India

- Constructed and fine-tuned **ML models** on datasets of **20,000+ records**, achieving **92% accuracy** and reduced manual analysis time by **30%**.
- Supported **model deployment and API integration** using **FastAPI and Git**, ensuring smooth end-to-end workflow delivery.
- Contributed to team tasks by **preparing reports, analyzing datasets**, and presented business insights.
- Delivered project demos and explained progress to mentors and team members.

PROJECT

Road Guardian | Python, FastAPI, OpenAI API   **Aug 2024 - Mar 2025**

- Engineered **Django-based roadside assistance platform** with **live tracking and data visualization dashboard, reducing service allocation time by 25%**.
- Designed and trained **CNN and NLP models** to detect and verify whether incident reports are **AI-generated or real images**.
- Designed and deployed **intelligent route optimization map** with **reinforcement learning** to detect reported incidents, reroute traffic, and allocate the best paths to provide fast, more reliable services.

Wiki Search Engine | Python, React, OpenAI API   **Nov 2024 - Dec 2024**

- Developed an AI-powered **Wikimedia search engine** during the AJCE Hackathon.
- Includes **voice search**, **location-based search**, and an **interactive map** to analyze upload origins.
- Streamlined **APIs** and **optimized data pipelines** to **boost search speed by 40%** and **enhance user engagement by 30%**.

EDUCATION

Master of Computer Applications (MCA)   **2023 - 2025**

- Amal Jyothi College of Engineering (Autonomous), Kanjirappally **|** CGPA: 7.74

Bachelor of Computer Applications (BCA)   **2020 - 2023**

- MES College, Erumely

ADDITIONAL INFORMATION

- **Technical Skills:** C, C++, HTML, CSS, JavaScript, Java, **Python, Django, React, MySQL, SQL, Flutter**, AI/ML, ETL
- **Tools & Libraries: Power BI, Tableau,** Jupyter Notebook, Excel, NumPy, Pandas, TensorFlow, Selenium, Postman
- **Languages:** English, Hindi (Conversational), Malayalam (Native)
- **Certifications: Data Science And Analytics** - Zidio Development, **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, AJCE Hackathon Top 3 Winner – Wiki Search Engine, Director's Honours Award (CGPA 9+) and Principal's Honours Award (CGPA 8+), District-Level Individual Champion in Sports (2018–2020)
- **Visa Status : Visit Visa**