

MUHAMMED FARSEEN KP

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Location: Malappuram, Kerala, India

PROFESSIONAL SUMMARY

B.Tech Computer Science graduate (2024) and Python Full-Stack Development intern with strong foundations in data structures, algorithms, and object-oriented design. Proven experience delivering production-ready web apps in Python/Django+Angular and deploying to AWS. Database management with SQL. Eager to leverage newly acquired skills to build innovative and user-friendly applications.

GENERAL SKILLS

Soft Skills : Decision-Making, Problem-Solving

TECHNICAL SKILLS

Languages : Python (advanced), Java (intermediate), JavaScript, SQL/PL-SQL
Web & Frame-works : HTML5, CSS3, Bootstrap, React, Django, Flask (basics), Web API (basics), Angular
Databases : MySQL, SQL Server, SQLite, Oracle (SQL/PL-SQL fundamentals)
Cloud & DevOps : AWS, Azure Fundamentals, GCP Essentials, Git, GitHub Actions, Docker
Methodologies & Tools : Agile/Scrum, Test-Driven Development, VS Code, Postman, Linux

PROFESSIONAL EXPERIENCE

Python Full Stack Development <i>Quest Innovative Solution, Calicut</i>	Calicut, Kerala, India <i>August 2024-Present</i>
<ul style="list-style-type: none">Developed and deployed web applications using Python, Django, HTML, CSS, JavaScript, and SQL.Engineered & deployed three full-stack applications using Django REST API + Angular, serving with 40% faster load times via AWS EC2/S3.Applied full stack development skills to build and test dynamic and responsive web applications.Improved coding skills through real-world project implementations.Gained practical exposure to web development frameworks and database management.	

EDUCATION

MEA Engineering College <i>BTech, Computer Science and Engineering</i>	Malappuram, Kerala, India <i>June 2020 – June 2024</i>
GVHSS pullanur (Higher Secondary Education) <i>Science</i>	Malappuram, Kerala, India <i>Jun 2017 – Mar 2019</i>

PROJECTS

AI-Enhanced Unmanned Aerial Vehicles for Search and Rescue Operations	AI, ML, Python, SQL, IoT
<ul style="list-style-type: none">Developed an AI-powered UAV system incorporating state-of-the-art sensor technology, advanced image recognition algorithms, and autonomous navigation for search and rescue (SAR) operations.Designed and implemented real-time machine learning models for precise target identification, including victims and hazards, in dynamic and challenging environments.Enhanced mission planning and efficiency through AI-driven autonomous navigation algorithms, resulting in significantly reduced response times.Addressed critical ethical considerations by implementing robust data privacy and security protocols for responsible use in sensitive SAR contexts.	
Hospital Management System (Full Stack)	Django, React, MySQL, AWS

- Built secure RESTful APIs (JWT auth) and responsive React UI; supports role-based access for doctors, nurses & admins.
- Containerized application with DockerCompose and deployed on AWS EC2 with NGINX reverse proxy.

PUBLICATIONS

AI-Enhanced Unmanned Aerial Vehicles for Search and Rescue Operations

2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT) 2024