DHARVESH AHAMED

ASPIRING AI/ML DEVELOPER | PYTHON DEVELOPER

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PROFESSIONAL SUMMARY

MCA candidate with intermediate Python programming skills, foundational knowledge of Machine Learning, and practical familiarity with ChatGPT and AI APIs. Experienced in developing software applications using Python, FastAPI, Next.js, PostgreSQL, and modern development technologies. Brings a strong foundation in programming, backend development, database management, API design, and problem-solving. Interested in building AI-powered applications, exploring Machine Learning solutions, and applying Artificial Intelligence to practical software development challenges.

TECHNICAL SKILLS

Programming Languages: Python (Intermediate), C, C++

Artificial Intelligence: Generative AI fundamentals, ChatGPT, AI APIs, basic Machine Learning concepts

Machine Learning: Foundational understanding of Machine Learning concepts

Backend & APIs: FastAPI, REST API design, Pydantic data validation, API integration

Frontend: React, Next.js, Tailwind CSS, Three.js

Databases: PostgreSQL, SQL, Supabase, Supabase Auth

Tools & Platforms: Git, GitHub, Flutter, Arduino UNO

Core Computer Science: Data Structures and Algorithms, Object-Oriented Programming, DBMS, debugging, problem-solving

PROJECTS

CargoSync | Intelligent Logistics & Fleet Management Platform

Technologies: Python, FastAPI, Next.js, PostgreSQL, Supabase, Three.js

• Developed a full-stack logistics platform connecting shippers with suitable truck operators and simplifying freight management.
• Designed backend REST API workflows and data-validation logic using Python and FastAPI.
• Implemented 3D cargo packing visualization and loading-sequence optimization to support truck-space planning and multi-stop unloading.
• Developed proximity- and rating-based carrier matching workflows to help connect shipments with suitable carriers.
• Implemented QR-based, timestamped shipment verification to support traceable delivery workflows.

Intelligent Energy Control System | IoT Application

Technologies: Python, Arduino UNO, Flutter, Wi-Fi 6, PCB

• Developed an IoT-based electricity monitoring and automation system.
• Integrated hardware components with software applications for monitoring and controlling connected electrical devices.
• Worked on communication between IoT hardware and application interfaces, linking software workflows with physical components.

INTERNSHIP EXPERIENCE

Intern | Nexus Technologies, Kozhikode *September 2024 – March 2025*

• Supported data management and technical documentation activities with an emphasis on accuracy and timely completion.
• Assisted with project-related tasks and collaborated with team members in a structured work environment.
• Gained exposure to project management methodologies and technical tools.

EDUCATION

Master of Computer Applications (MCA)
MES AIMAT, Marampally, Aluva | Currently pursuing

Bachelor of Computer Applications (BCA)
Majlis Arts and Science College, Puramannur, Malappuram | March 2025

AREAS OF INTEREST

Artificial Intelligence | Machine Learning | Generative AI | Agentic AI | AI-Powered Applications | Large Language Models | Python Development