

MOHAMMED FAHAD P

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PROFESSIONAL SUMMARY

Entry-level Backend Developer with hands-on experience building REST APIs, automation tools, and production-style ML pipelines using Python, Java, and Go. Proficient in Flask, FastAPI, and Docker for deploying backend services. Experienced in full-stack academic systems, DevOps tooling with Git, and enterprise-oriented software development practices. Seeking an Application Developer role to contribute to Java/JEE-based enterprise application development.

TECHNICAL SKILLS

Programming Languages: Java, Python, Go, JavaScript, C/C++ (fundamentals)

Web & Backend Technologies: REST APIs, Flask, FastAPI, HTML, CSS, JSON, MySQL

DevOps & Tools: Git, GitHub, Docker, MLflow, Scikit-learn

Concepts: Software Development Life Cycle (SDLC), REST API Design, Role-Based Access Control, Regex & AST Parsing, ML Pipelines, Batch Processing

PROJECTS

MLOps — End-to-End Housing Price Prediction Pipeline 2025

Python, Scikit-learn, MLflow, FastAPI, Docker

- Designed and implemented an end-to-end machine learning workflow to train, track, and deploy a RandomForest regression model as a production REST API.
- Containerized the FastAPI inference service using Docker for reproducible, production-ready deployment.
- Integrated MLflow for experiment tracking, model versioning, and artifact management across the ML lifecycle.

JSRecon — JavaScript Endpoint & Secret Extraction Tool 2025

Go

- Built a security reconnaissance tool in Go that statically analyzes JavaScript files to identify hidden API endpoints, hardcoded secrets, and sensitive data references.
- Leveraged regex and AST parsing techniques to extract and output structured JSON reports for scalable recon workflows.
- Designed for ethical security use with safeguards to prevent unauthorized data exfiltration.

PassGuard — Password Strength Analyzer 2025

Go

- Developed a local utility tool using rule-based evaluation to assess password strength and detect weak or common patterns.
- Implemented ethical safeguards to prevent plaintext password storage or network transmission.

NSS Management System 2024

Python (Flask), MySQL, Flutter

- Developed a full-stack web and mobile-integrated platform to manage and track NSS activities across multiple schools.
- Built backend REST APIs with Python Flask, MySQL for relational data storage, and role-based access control for five user roles (Admins, Coordinators, Volunteers, Students, Public).
- Implemented a Flutter-based cross-platform frontend enabling unified access to the system across devices.

CERTIFICATIONS

- Introduction to AI and Machine Learning on Google Cloud — Google Cloud
- Generative AI Model — NxtWave

EDUCATION

Bachelor of Computer Application (BCA) 2022 – 2025

University of Calicut, Kerala