



Mohammad Ghufran

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SUMMARY

Software Engineer aspirant with strong foundations in Java, Object-Oriented Programming, and SQL, and hands-on experience in backend development and RESTful API design. Experienced in building scalable applications, debugging production issues, and working with databases. Quick learner with a strong interest in enterprise software development and BFSI domain systems.

EXPERIENCE & TRAINING

Intern – Backend Development, Miftah Software Trade

Summer 2024

- Developed and maintained backend components using Java and Python following OOP principles.
- Designed and optimized REST APIs with focus on performance and scalability.
- Worked with SQL databases for data retrieval, validation, and debugging.

Summer Training – PHP Development, FTK JMI

2021

- Built and tested dynamic web applications using PHP, CodeIgniter, and MySQL.
- Gained hands-on experience with MVC framework and database integration.

SKILLS

Languages	Java, C++, Python, PHP, Java (beginner), SQL, Object-Oriented Programming, DSA
Backend Technologies	Spring Boot (basic), REST APIs, FastAPI, MVC Architecture
Web Development	HTML, CSS, JavaScript, PHP, CodeIgniter, Next.js, Tailwind CSS
Databases	MySQL, MongoDB
Tools	Git, Docker, Postman, AWS, Burp Suite, FastAPI, Clerk, Inngest, REST APIs, Agile
Cybersecurity	SQL Injection (SQLi), Cross-Site Scripting (XSS), insecure APIs, API security testing

PROJECTS

Full Stack E-Commerce Website

(Next.js, Java, REST APIs, MongoDB, Tailwind, Clerk, Inngest)

Developed a scalable full-stack e-commerce platform with secure authentication, database-driven workflows, and modular backend services. Designed and implemented RESTful APIs, optimized data access using MongoDB, and ensured reliable performance through clean architecture and maintainable code practices. Integrated payment and order-processing workflows to support production-ready, high-performance user transactions.

AI Deployment Project

(Python, FastAPI, Docker, Cloud)

Implemented and deployed a production-grade AI system with CI/CD pipelines, containerization, and cloud deployment, ensuring scalability and real-world readiness.

Scholarship Portal – Jamia Millia Islamia

(PHP, CodeIgniter, MySQL, HTML, CSS, JavaScript, Bootstrap)

Developed a web application to manage scholarship registrations and student data as part of a summer internship at FTK Centre for Information Technology. Implemented user authentication, student and faculty dashboards, registration forms, and database-driven data validation using MVC architecture.

Ship Detection System (Deep Learning)

(Python, TensorFlow, UNet)

Built a semantic segmentation model using UNet to detect ships from satellite imagery, helping combat illegal fishing, piracy, and maritime accidents. Achieved high detection accuracy.

EDUCATION

B.Tech in Computer Science & Engineering

Guru Gobind Singh Indraprastha University, New Delhi

2022 – 26

Pursuing