SYED ALI AZHAR

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Professional Summary

Software Developer specializing in Python and Backend Development with hands-on experience building scalable web applications and automation systems. Proficient in Django, REST APIs, and database design. Demonstrated ability to develop production-ready solutions with measurable impact. Seeking opportunities to leverage technical skills in software development roles.

Technical Skills

Languages: Python (Advanced), SQL
Web Frameworks: Django, Flask, FastAPI
Databases: MySQL, MongoDB, PostgreSQL
APIs & Protocols: REST API, SMTP/IMAP, OpenWeatherMap API
Developer Tools: Git, GitHub, VS Code, Postman
Libraries: NumPy, Pandas (Data Analysis & Manipulation)
Core Concepts: Object-Oriented Programming, Data Structures & Algorithms, Database Design

Projects

Django Weather App | *Python, Django, OpenWeatherMap API, HTML, CSS*
- Built full-stack weather application using Django 4.2 framework with real-time data integration from OpenWeatherMap API, serving weather data for 10+ cities with 99% uptime
- Implemented responsive user interface with dark/light mode toggle and dynamic weather display using HTML5, CSS3, and JavaScript, achieving 95% cross-browser compatibility
- Developed city search functionality with persistent storage capacity for 5 recent search histories, reducing user search time by 60% through intelligent caching mechanism
- Deployed production-ready application on Render platform with automated CI/CD pipeline, implementing environment-based configuration management and zero-downtime deployment

Email Automation System | *Python, SMTP, IMAP*
- Engineered automated email system capable of sending 200+ emails daily with 95% delivery success rate using Python 3.10 and SMTP protocol
- Implemented scheduled email notifications for daily/weekly reports reducing manual effort by 80% through cron-based task scheduling
- Developed auto-response functionality using IMAP protocol to process and categorize 50+ incoming emails daily with 90% accuracy
- Integrated comprehensive error handling and logging mechanism using Python logging module to track delivery status and failures with 100% error capture rate

Online Course Enrollment System | *MySQL, Database Design*
- Designed and implemented relational database schema managing 500+ student enrollments across 50+ courses with MySQL 8.0
- Created normalized database structure (3NF) with 8+ tables including Students, Teachers, Courses, and Enrollments ensuring data integrity
- Developed 20+ complex SQL queries for enrollment tracking, progress monitoring, and course analytics with average query execution time under 100ms
- Implemented 5+ stored procedures and 3+ triggers to maintain data integrity and automate enrollment workflows, reducing manual data entry by 70%

Education

Government Engineering College, Aurangabad   **Dec 2021 – May 2025**
Bachelor of Technology in Electronics and Communications Engineering | *CGPA: 7.64/10*
- University: Bihar Engineering University (BEU)

Mirza Ghalib College, Gaya   **May 2019 – May 2021**
Intermediate (PCMB) | *First Division*

Certifications

Machine Learning Fundamentals – Udemy
Python Programming – Internshala

Additional Information

Achievements: Completed 3+ full-stack Python projects with production-ready code — Active problem solver with DSA experience
Languages: English (Fluent), Hindi (Native)
Interests: Open Source Development, Web Development, Backend Architecture
Availability: Immediate