Muhammad Talal Akhtar

Software Developer | Problem Solver | AI & Automation Enthusiast
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SUMMARY

Junior Python developer with hands-on experience building web applications and intelligent workflow automations using Python and n8n, alongside foundational academic exposure to C++. I focus on developing clean RESTful APIs, database modeling, and designing end-to-end automations—connecting web services, data pipelines, and LLMs using Python scripts and n8n to streamline backend operations. I enjoy figuring out how systems fit together under the hood, writing maintainable code, and continuously expanding my technical toolkit to build practical software that ships.

TECHNICAL SKILLS

Languages: C++, Python
Frontend: React.js, HTML5, CSS3, Responsive Design
Backend: Django, FastAPI, JWT Authentication, bcrypt
Automation & AI: n8n, LLM Integration, Workflow Automation, Email Automation, API Integrations
Databases: MongoDB + Mongoose
Core Concepts: Data Structures & Algorithms, OOP, Graph Theory, Stack/Queue
Tools: Git, GitHub, VS Code
Practices: Debugging, Performance Optimization, Code Reviews

PROJECTS

SendWise

n8n | LLMs | Email Automation | Workflow Automation | APIs

- Built an intelligent email automation system using n8n, connecting workflow triggers, APIs, and LLMs to streamline email generation and delivery.
- Integrated LLM-powered email drafting and personalization, generating context-aware messages based on recipient and workflow data.

Hostel Building Management System

Python | Django | SQLite | HTML5 | CSS3

- Designed a Django-based backend system for managing hostel operations, including student profiles, room allocation, fees, complaints, and visitor records.
- Designed relational data models using OneToOneField and ForeignKey relationships to connect users, students, rooms, fees, complaints, and visitor records.

Personal Portfolio Website

HTML5 | CSS3 | JavaScript | Responsive Design

- Developed a fully responsive, mobile-first portfolio website with optimized performance.
- Achieved fast load times through lightweight design and efficient asset handling.

EDUCATION

National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad
Bachelor of Science in Computer Science

CERTIFICATION

- Introduction to Back-End Development — Meta, Coursera
- Programming in Python — Meta, Coursera
- Version Control — Meta, Coursera