

Abdul Hayy Khan

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SUMMARY

AI undergraduate and Python developer with hands-on experience building and deploying full-stack web applications using FastAPI and Flask. Proficient in backend engineering, REST API design, database management (PostgreSQL, SQLite), and AI/ML integration.

EXPERIENCE

DevelopersHub Corporation — Remote

Jul 2025 – Sep 2025

Software Development Intern

- Built Task Management System (Flask, SQLite) and Enhanced Collaboration Platform (FastAPI, PostgreSQL) with real-time WebSocket notifications and JWT authentication.
- Designed responsive UIs with Jinja2 and Bootstrap 5; deployed to Railway and Render; maintained test coverage using Pytest and Unittest.

CodeAlpha — Remote

Jul 2025 – Aug 2025

Python Programming Intern

- Delivered four Python projects: Stock Portfolio Tracker, Automation Script, AI Chatbot, and a Game — covering data structures, algorithms, and standard libraries.

PROJECTS

ResumRank-AI | *Flask · spaCy · pdfplumber · Pandas* [\[GitHub\]](#)

AI resume ranking tool (Hackathon 2026). Extracts PDF text via pdfplumber, performs NLP scoring with spaCy, and ranks candidates against a job description.

ByteShift — File Converter | *FastAPI · Railway · PyMuPDF · LibreOffice* [\[GitHub\]](#)

Deployed file conversion service with thread-safe ProgressTracker, dual-backend PDF renderer, real-time progress polling, and multi-format output.

SLAMS — Attendance Management System | *Flask · SQLAlchemy · SQLite · Bootstrap 5* [\[GitHub\]](#)

Full-stack academic platform with role-based access (Admin/Teacher/Student), attendance tracking, course enrollment, and secure resource sharing.

Task Management System | *Flask · SQLAlchemy · SQLite · Jinja2 · Bootstrap 5* [\[GitHub\]](#)

Flask task manager with SQLAlchemy ORM, RESTful architecture, role-based task assignment, and unit tests.

Enhanced Task Management System | *FastAPI · PostgreSQL · SQLAlchemy · Pydantic · WebSockets · JWT* [\[GitHub\]](#)

Collaborative task platform with WebSocket notifications, JWT auth, permission-based sharing, Pydantic validation, and comprehensive test coverage.

Secure Vault — Active Defense System | *Python · Streamlit · UFW · SHA-256* [\[GitHub\]](#)

Self-defending file manager with automated firewall blocking, heuristic malware detection, symmetric encryption, and forensic SHA-256 integrity logging.

EDUCATION

Dawood University of Engineering & Technology

Sep 2024 – Aug 2028

Bachelor of Science in Artificial Intelligence — Karachi, Pakistan | Semester 5

SKILLS

Languages: Python, C++, Java, SQL, HTML5, CSS3

AI / ML / Data: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, spaCy

Frameworks & Tools: FastAPI, Flask, Streamlit, SQLAlchemy, Jupyter, Figma, Git, Azure, Bootstrap 5, Jinja2

Databases: MySQL, PostgreSQL, SQLite, Oracle

Concepts: RESTful APIs, JWT Authentication, WebSockets, Pytest, Unittest, SDLC, Debugging, Technical Documentation