

Mohammad Hashir – Python Developer

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Summary

Computer Science graduate with expertise in Python development, backend systems, and cybersecurity. Skilled in building secure, scalable applications with FastAPI, Flask, and Flutter. Strong background in network security, threat detection, and API integrations, with hands-on experience in real-world software and security projects. Seeking a Python Developer role to apply problem solving, software engineering, and security skills in professional environments.

Skills

- Languages: Python, Dart, JavaScript, SQL
- Frameworks & Tools: FastAPI, Flask, Django (basic), Flutter, Tkinter
- Databases: MySQL, PostgreSQL, SQLite, SQLAlchemy
- Cybersecurity: Wi-Fi attack detection, PKI, Encryption, Threat Simulation
- Other: REST API development, Git/GitHub, Data Analysis (Pandas, NumPy, Matplotlib), MachineLearning basics

Projects

- **Wi-Fi Guardian (Final Year Thesis):** Cross-platform app (Android, iOS, Windows) using Flutter and FastAPI backend. Implemented real-time Wi-Fi scanning and rogue AP detection. Designed Phantom AP using Raspberry Pi and ALFA Wi-Fi adapter to simulate attacker behavior.
- **Secure Password Manager:** Python desktop app with AES encryption, password generation, and clipboard protection.
- **Video Downloader App:** Python-based video downloader using pytube and requests with resolution and format options.
- **Peer-to-Peer Chat Application:** Python socket-based chat with multi-client support and encryption.
- **Retail Sales Data Analysis:** Analyzed retail sales dataset using Pandas and Matplotlib. Built predictive model for forecasting.
- **RESTful API for E-commerce:** FastAPI backend with JWT authentication and PostgreSQL. Provided clean Swagger documentation.
- **Cybersecurity Threat Simulator:** Python tool simulating Evil Twin, MITM, and phishing for testing Wi-Fi Guardian.

Education

B.S. Computer Science – Quaid-e-Awam University of Engineering, Science & Technology (2021–2025)

Higher Secondary Education – Rangers Public College (2018–2020)

Certifications

- Python for everybody –Coursers
Data Analysis with python-freevodecamp
Networking essentials-cisco

Experience

IT Intern – Hashmi Medical City, Hyderabad (1 Month)

- Supported IT infrastructure and troubleshooting.
- Gained exposure to networking, software installation, and basic cybersecurity practices.