

INAYAT ALI SHAR

📍 Jamshoro, Sindh, Pakistan — 📞 0300-2806306 — ✉ inayatishar.786@gmail.com
🌐 LinkedIn — 🐙 github.com/inayat-engineer

PROFILE

Motivated Computer Systems Engineering student (6th Semester) at Mehran University (MUET) with a strong foundation in Python Development, Data Science, and Systems Engineering. Experienced in building secure, full-stack web applications, interactive dashboards, and network monitoring tools. Passionate about solving real-world problems through logic building and delivering high-quality tech solutions as a freelance developer.

EDUCATION

Mehran University of Engineering & Technology (MUET) Jamshoro, Pakistan
Bachelor of Engineering: Computer Systems Aug 2023 – Present
Current Status: 6th Semester

- **Relevant Coursework:** Artificial Intelligence (AI), Computer Networking, Systems & Network Security, Database Management Systems (DBMS), Statistics & Probability.

EXPERIENCE

Python Programming Intern Jan 2026 – Feb 2026
Smart Trainers (Remote)

- Developed backend logic and interactive Python-based applications, including a CLI Shopping Cart and a Rule-Based Chatbot.
- Implemented Object-Oriented Programming (OOP) principles and data structures to optimize code efficiency and problem-solving.
- Gained hands-on experience in version control, logic building, and writing clean, modular Python code for real-world tasks.

PROJECTS

Network Assistant & Traffic Monitor — *Python, FastAPI, Streamlit, Pyshark*

- Engineered a real-time network monitoring dashboard using FastAPI and Streamlit to capture and visualize live packet traffic.
- Implemented a mini Intrusion Detection System (IDS) to instantly detect anomalies such as port scans, unusual protocols, and traffic spikes.
- Integrated an interactive AI chatbot allowing users to query network traffic and statistics using plain English.

ExpenseIQ (Personal Expense Tracker) — *Python, Flask, SQLite, Chart.js*

- Built a secure finance management dashboard featuring asynchronous CRUD operations via the Fetch API for zero page reloads.
- Integrated Chart.js for real-time interactive financial analytics, visualizing spending patterns with responsive donut and bar charts.
- Engineered a secure backend with strict input validation, parameterized SQL queries to prevent injections, and environment variable configuration.

Geolocation Tracker Pro — *Python, Flask, Leaflet.js, Bootstrap 5*

- Developed a full-stack web application that dynamically fetches and maps user public IPs utilizing IP-API and the HTML5 Geolocation API.
- Designed a premium, responsive "Glassmorphism" UI incorporating CartoDB dark-mode maps for an enhanced user experience.
- Implemented a robust "Fail-Fast" architecture to safely catch private IPs and network timeouts, displaying user-friendly error messages.

Olympic Games Data Analysis — *Python, Streamlit, Pandas, Matplotlib*

- Performed comprehensive exploratory data analysis on historical Olympic datasets to uncover performance trends.
- Visualized key metrics using Matplotlib and Seaborn, and deployed the project as an interactive web app using Streamlit Community Cloud.

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript, HTML5, CSS3, C++
- **Frameworks & Libraries:** Flask, FastAPI, Pandas, NumPy, Streamlit, Pyshark, Leaflet.js, Chart.js, Bootstrap 5
- **Tools & Concepts:** Git, GitHub, VS Code, REST APIs, Object-Oriented Programming, Database Management (SQLite)

CERTIFICATIONS & ACHIEVEMENTS

- Artificial Intelligence Training - Digital Dream Dynamo (April 2025)
- Artificial Intelligence Essentials - IEEE Computer Society (2025)
- Generative AI Explained - NVIDIA (Jan 2026)
- Quiz Competition Participation - All MUET Talent Hunt-V (Aug 2025)