

Irfan Khattak

Karachi, Sindh, Pakistan | ✉ ifnkhattak@outlook.com | ☎ 0303 2668762 | [in LinkedIn.com](https://www.linkedin.com)

PROFESSIONAL SUMMARY

Lead Systems Engineer specializing in backend architecture, cloud infrastructure, and autonomous AI orchestration. Proven track record of building highly scalable full-stack systems that bridge complex operational challenges and technical execution. Experienced in deploying agentic workflows, high-throughput data pipelines, and responsive cross-platform applications.

PROFESSIONAL EXPERIENCE

Lead Systems Architect — AI Seekho Hackathon

May 2026

Architected the backend infrastructure and agentic AI pipelines for the CIRO (Crisis Intelligence & Response Orchestrator) platform under strict competitive deadlines.

Partnered directly with UI/UX leadership to seamlessly integrate complex backend workflows with high-performance frontend components using FastAPI and the Google Antigravity SDK.

Independent Architecture & Full-Stack Development

2025 — 2026

Engineered the Karachi Fleet Optimizer and Nexus Point as standalone systems, demonstrating end-to-end capabilities from cloud deployment to geospatial mapping.

Self-directed an intensive learning curriculum resulting in multiple verified Google Cloud credentials and specialized certifications.

TECHNICAL SKILLS

Backend & Cloud: Google Cloud Platform (GCP), Vertex AI, FastAPI, Node JS, Serverless, Firebase

Frontend & Mobile: React, Astro, Flutter, Tailwind CSS

AI & Data: Agentic AI Workflows, Antigravity SDK, Gemini 2.5 Flash API, Predictive Modeling

PROJECTS

CIRO (Crisis Intelligence Platform) | Python, Firebase, Agentic AI, Gemini 2.5 Flash

A multi-agent autonomous system engineered for urban crisis management. Leveraged agentic workflows to orchestrate real-time response logistics and data analysis.

Karachi Fleet Optimizer | Google Cloud Platform, Python, Gemini 2.5 Flash, Mapping

An enterprise-grade logistics and quick-commerce tool utilizing geospatial mapping and serverless architecture to streamline deployment operations and optimize capital recovery.

Nexus Point | Data Science, Machine Learning

High-throughput, real-time quick commerce storefront ecosystem engineered for low latency ordering pipelines and instant stock processing systems.

SalesPulse Analytics | React 19, Vite, TypeScript

Automated data analytics processing pipeline parsing transactional trends into highly interactive data streams and cloud-integrated user dashboards.

PROFESSIONAL CERTIFICATIONS

- Google Data Analytics
- Google Advanced Data Analytics
- Google AI Essentials
- Oracle SQL Databases
- Freecodecamp Responsive Web Design
- IBM Data Science
- Google Business Intelligence
- Microsoft Excel
- Google Workspace
- IBM Soft Skills

EDUCATION

- Virtual University of Pakistan: Bachelor of Science in Computer Science. *Expected: Sept 2029*
- SSAT Degree College: Intermediate in Computer Science *Completed*