ANISH HAMAYOON

Software Engineer | Backend Systems | Applied AI

Islamabad, Pakistan | anishhamayoon06@gmail.com
https://github.com/Anishx2378 | https://linkedin.com/in/anish-hamayoon-14a93b275

PROFESSIONAL SUMMARY

Software engineer with professional experience in enterprise applications, production troubleshooting, SQL databases, REST APIs, and third-party integrations. Contributes React and .NET functionality to an internal Jira/OOMI Support Portal at Target Systems. Independent projects explore Python backend services, visual data processing, and computer vision.

PROFESSIONAL EXPERIENCE

Junior Software Engineer - Target Systems (OOMI)

Jul 2025 - Present

Islamabad, Pakistan

- Investigate production issues through root-cause analysis, SQL queries, database relationships, record-level tracing, and controlled data corrections.
- Troubleshoot OOMI CRM workflows, REST APIs, authentication/token issues, HTTP requests and responses, and integrations with Xero, GoCardless, Jira/JSM, and SSO-related services.
- Contribute React and .NET functionality to an internal Jira/OOMI Support Portal: ticket creation and viewing, request handling, account features, status retrieval, and Jira/JSM integration.
- Test and validate resolutions and document investigations with engineering and operations colleagues.

Software Engineer Intern - Target Systems

Dec 2024 - Jul 2025

Islamabad, Pakistan

- Investigated assigned Jira issues and coordinated fixes with engineering colleagues.
- Contributed React interface enhancements and investigated application defects.
- Supported .NET maintenance and prepared process documentation and issue logs.

Machine Learning Intern - Codic Solution

Jul 2024 - Sep 2024

Remote

- Worked on YOLOv8 and OpenCV for retail-focused computer vision.
- Prepared, annotated, augmented, and evaluated data using CVAT and Roboflow.
- Gained exposure to PyTorch, TensorFlow, Scikit-learn, training, preprocessing, and evaluation.

Technical & Digital Operations - Pure Oxygen Therapy (UK)

Jul 2023 - Aug 2024

Remote (Contract)

- Maintained digital content workflows and website structure.
- Supported administrative communication and operational scheduling.

EDUCATION AND RECOGNITION

BS Software Engineering

Graduated 2025

COMSATS University Islamabad - Wah Campus | 3.14 CGPA

Retail Vista - Second Position, COMSATS Open House 2025.

SELECTED PROJECTS

Independent and academic engineering work

Retail Vista

2024 - 2025

Academic project / Awarded 2025

A computer vision project connecting YOLOv8 and OpenCV processing with application components for activity review and incident visibility.

Dataset preparation, computer vision pipeline experimentation, application integration, and frontend/backend project work.

Technologies: Python, YOLOv8, OpenCV, PyTorch, Django, React, WebSockets

Recognition: Second position, COMSATS Open House 2025.

Case study: https://www.anishhamayoon.com/#/work/retail-vista

VizonTrack

2026

Independent project / In development

An in-development face-recognition attendance application exploring FastAPI, InsightFace, ONNX Runtime, PostgreSQL/pgvector, and a TypeScript interface.

Independent application design, recognition pipeline exploration, backend/API development, and frontend workflows.

Technologies: Python, FastAPI, InsightFace, ONNX Runtime, PostgreSQL, pgvector, Next.js, TypeScript, WebSockets

Case study: https://www.anishhamayoon.com/#/work/vizontrack

DataFlowX

2026

Independent project / In development

A visual data-processing platform connecting a React workflow interface to Python, FastAPI, and Pandas. This portfolio includes a self-contained browser demo using synthetic data.

Independent graph interface, frontend state management, processing contracts, and Python data-operation exploration.

Technologies: Python, FastAPI, Pandas, React, TypeScript, React Flow, PostgreSQL

Case study: https://www.anishhamayoon.com/#/work/dataflowx

Connect

2026

Independent project / In development

A team communication project combining channels, conversations, project tasks, and a real-time application architecture.

Independent workspace interface, application state, relational project models, and real-time architecture exploration.

Technologies: React, TypeScript, Python, Django, PostgreSQL, REST APIs, WebSockets

Case study: https://www.anishhamayoon.com/#/work/connect

TECHNICAL CAPABILITIES

Enterprise engineering
SQL Server, .NET, React, REST APIs, Jira/JSM, Xero, GoCardless, application investigation, workflow debugging, testing and validation.

Independent projects
Python, FastAPI, Django, PostgreSQL, React, Next.js, TypeScript, Pandas, WebSockets.

AI and computer vision
YOLOv8, OpenCV, PyTorch, TensorFlow, Scikit-learn; InsightFace and ONNX Runtime exploration.

Tools and practices
Git, Jira, Postman, documentation, data investigation; Docker project experience and continued cloud learning.