

CONTACT

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PROFESSIONAL EXPERIENCE

MLOps Intern | Jun 2024 – Sep 2024 • 4 months  
Mezino Technologies | Lahore | Onsite

- Developed REST APIs with Node.js and Express, using TypeScript and documented with OpenAPI standards.
- Containerized applications using Docker and built CI/CD pipelines with GitHub Actions for seamless deployment.
- Leveraged vector embeddings and deployed large AI models on GCP’s Vertex AI Workbench and Runpod for various ML workflows.
- Deployed applications on Google Cloud Run, integrating them with Cloud SQL and Cloud Storage to manage infrastructure effectively with Pulumi.

SKILLS

- Programming Languages & Frameworks:** TypeScript, JavaScript, React, Node.js, Express.js, Next.js, MERN Stack
- Frontend Technologies:** ShadCN, TailwindCSS, EJS, HTML, CSS
- Backend & DevOps:** MySQL, REST APIs, Runpod, Google Cloud Platform
- Tools & Version Control:** Docker, Git, GitHub, CI/CD with GitHub Actions

PROJECTS

Stable Diffusion Dashboard

Developed during my internship at Mezino, this dashboard allows users to generate text-to-image visualizations.

- Backend:** Node.js, Express.js, Stable Diffusion, IP-Adapter models
- Frontend:** EJS for server-side rendering, integrated with Runpod API
- Deployment:** Dockerized, deployed on Google Cloud Run via Pulumi

Crime Mapping System

Comprehensive dashboard to manage and analyze crime data for Islamabad, visualizing crime patterns with heat maps.

- Tech Stack:** MERN, MySQL, TailwindCSS
- Features:** User authentication, dynamic data visualization, analytics

Image-Based Search Engine

A search engine using vector embeddings for image similarity, deployed on Google Cloud.

- Tech Stack:** MERN, Typescript, Vector Database, MySQL, Multimodal embeddings API
- Deployment:** Dockerized, deployed on Google Cloud Run

EDUCATION

National University of Sciences and Technology (NUST) | 3rd Semester  
Bachelor of Science in Computer Science