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Experience

Software Engineer

Carbonteq

Lahore

June 2025 – Present

- Automated Data Entry Workflows for Healthcare Claims Data with GCP Document AI and Agentic Workflows resulting in 3x efficiency for the existing team.
- Worked on developing backend, data pipelines and cloud infra on Azure for [PRV8](#) (🔗), an AI powered travel concierge application for HNIs.

Associate Software Engineer

Gaper.io

Hybrid

May 2023 – May 2025

- Developed and maintained TutorCat – an AI Homework Help iOS app with a 40K+ user base. Managed the entire lifecycle from mobile development to backend and cloud infrastructure, and implemented a CI/CD pipeline using Cloud Build and Cloud Deploy. Automated deployment with Pulumi and Kubernetes. (App Store: [TutorCat](#) (🔗), Web: [solve-mate-ai.jetrr.app](#) (🔗))
- Optimized the AI Photo Generator for Envision Backend, serving 60K+ users, by migrating stable diffusion fine-tuning workloads from GCP Vertex AI to GKE. Reduced ML workload cold start time from 10 minutes down to 1 minute and implemented a custom internal dashboard for performance monitoring. (App Store: [AI Photo Generator](#) (🔗), Details: [jetrr.com](#) (🔗))
- Managed and led an internship program over the 2024 Summer for 10 undergraduate students by designing and coordinating technical projects. Trained interns in GCP, containerization technologies, and MLOps practices.

Software Engineer Intern

Gaper.io

Hybrid

March 2023 – May 2023

- Contributed to the development of Recruiter AI, an AI-powered matchmaking platform for recruiters and engineers. For more details, visit [recruiterai.gaper.io](#) (🔗).
- Developed Langchain based Retrieval Augmented Generation (RAG) system using GPT-3.5 to enhance matching precision.
- Utilized technologies such as EC2, RDS PostgreSQL, API Gateway, Route 53, S3, and Elasticsearch to support a robust infrastructure on AWS.

Education

Lahore University of Management Sciences

BS in Computer Science

- **GPA:** 3.5/4.0
- **Dean Honor List** for the academic year 2022-2023
- **Coursework:** Data Structures, Algorithms, Databases, Software Engineering, Distributed Systems, Big Data Services and MLOps.

Technologies

Languages: Typescript, Python, Golang

Technologies: Google Cloud Platform, AWS, Docker, Kubernetes, Terraform, Ansible, NodeJs, ReactJs, SQL