

ASRAR FAROOQ

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🐙 [GitHub](#)

🌐 [LinkedIn](#)

Skills

Programming & Frameworks: Python, SQL, TypeScript, C/C++, JAX, Node.js, ReactJS, Django
Cloud & MLOps Infrastructure: Google Cloud, Docker, Kubernetes (K8s), Terraform (IaC), Slurm, MLOps, CI/CD, GPU/TPU Management, Serverless & Event-Driven Architecture, IAM, Monitoring
AI & Data Engineering: LLM Frameworks, Model Tuning & Evaluation, RAG, Apache Hadoop, Apache Kafka, Apache Airflow, Apache Beam, BigQuery, Object Storage
Development Methodologies: Git, Agile, Scrum, Kanban, GitOps, Test-Driven Development (TDD)
Soft Skills: Teamwork, Problem-Solving, Adaptability, Leadership, Critical Thinking, Conflict Resolution

Experience

Google

October 2024 – Present

Cloud Platforms & Infra Engineer

Austin, TX

- Designing, deploying, and managing scalable cloud infrastructure using Google Cloud technologies to support high-performance and distributed systems.
- Working on infrastructure solutions involving AI/ML workloads, optimizing compute performance using GPUs, TPUs, and Kubernetes-based clusters.

Stowers Institute for Medical Research

May 2024 – October 2024

Computational Researcher

Kansas City, MO

- Developing full stack bio-informatics tools using MERN stack for re-running and integrating experimental samples.
- Revamped Bioreports tool with Django and Python to automate report creation, reducing analyst workload by 95%.
- Automated pipelines that cut manual analysis and report generation time from days to minutes.

The University of Kansas

February 2022 – July 2024

Web Developer

Lawrence, KS

- Designed and optimized websites for various centers, achieving more than **300,000** page views.
- Launched Wingspan KU web service, a new center to better serve students and faculty in writing and learning.
- Ensured WCAG 2.0 and Section 508 compliance for UASC websites, along with modern design and interface.

Paycom Software, Inc.

May 2023 – August 2023

Software Engineering Intern

OK City, Oklahoma

- Streamlined employee referral process with QR codes by creating auto-completed Referral feature using SPA's.
- Developed a unified solution for referral tracking and sharing for over **6000** employees.
- Provided exportable referral data for employee and client-side reporting.

KU Information Technology

April 2021 – February 2022

Full Stack Developer

Lawrence, KS

- Spearheaded the migration of **800** university websites to a new CMS system, impacting more than **30,000** students.
- Collaborated in the design, development, and deployment of websites for diverse departments.
- Provided comprehensive training and support for campus staff in utilizing the campus CMS (Drupal) system.

Education

University of Kansas

August 2020 – May 2024

Bachelor of Science in Computer Science

Lawrence, KS

GPA: 3.8, Honor Roll, Full Tuition Scholarship, Undergraduate CyberSecurity Certificate, & Tradition of Excellence Award.

Projects

Qubit | Python, Ruby, GitHub Pages

Summer 2025

- Authored and launched a technical blog focused on Artificial Intelligence, Machine Learning, and Cloud Computing to engage with the engineering community.

KUbeSat - Currently in Space | C, Python

Summer 2024

- Collaborated on a student-faculty project to develop cube satellites, focusing on the ADCS subsystem for stabilization and precise mission pointing. Successfully launched to orbit on July 4th 2024 by Firefly Aerospace.

Mapalyze | ReactJS, C#, .NET, Tailwind CSS, MySQL, Azure

Fall 2023

- Developed a floor plan conversion application transforming 2D floor plan images into dynamic 3D models, enhancing spatial visualization and providing indoor navigation features.