

Faisal Budhwani

📍 San Jose, CA ✉ Email ☎ 6695887011 📁 Portfolio in faisal-budhwani/ 🐙 Github

Education

San Jose State University

MS Software Engineering

Aug 2024 - May 2026

Ramdeobaba University (RBU)

B.E Information Technology

Aug 2018 - May 2022

Technologies

Languages: Python, C++, C, Java, SQL, JavaScript, PHP, jQuery,

Databases: NoSQL, JSON, Data Frames,

Frameworks: Apache Airflow, React, Next, Node.js, Flask, FastAPI, Material-UI, REST

Developer Tools: Git, Docker, Firebase, AWS, MongoDB, Kafka, RabbitMQ, Tableau

Big Data Technologies: Spark, Big Data, Hadoop, HDFS, Hive

Experience

Software Development Engineer Intern

Amazon

Bellevue, WA

May 2025 - Aug 2025

- Migrated top 3 AWS Step Functions to Apache Airflow DAGs, improving monitoring by 40% and increased workflow visibility by 30% through UI-driven input generation and nested step function orchestration.
- Built an Operational Excellence dashboard consolidating key metrics (manual interventions, idle time, runtime, success/failure rates), reducing on-call resolution time by 60% and enhancing policy scaling efficiency.
- Developed an automated Airflow DAG solution for site overrides and repeats, cutting on-call effort by 80% and driving a 27% improvement in policy selection quality across fulfillment centers.

Programmer Analyst

Cognizant technology Solutions

Pune, IN

Oct 2022 - Jul 2024

- Delivered 30% faster data retrieval and improved cloud performance by developing 50+ IICS components, optimizing with Java for real-time parsing and workflow efficiency.
- Achieved a seamless migration of 40+ components from PowerCenter to IICS while integrating AWS S3 and Snowflake, ensuring scalable, high-performance data solutions.

Programmer Analyst Intern

Cognizant technology Solutions

Pune, IN

Jan 2022 - Jun 2022

- Improved flight data accuracy by 20% through a Python-based analysis project, detecting cancellations, discrepancies, delays, and distance categorizations.

Projects

Enterprise AI Copilot platform

Designed and deployed an Enterprise AI Copilot platform integrating multiple agentic AI services (tax agent, salary calculator, OCR analyzer, conversational AI), adopted by 1,000 students and reducing cross-tool switching by 30%

Distributed Real-Time Weather Monitoring

Developed a Distributed Real-Time Weather Monitoring System leveraging IoT, MQTT/WebSockets, distributed databases, and LLM integration for natural-language weather summaries, reducing manual monitoring needs by 25

Restaurant-Finder

Built a Yelp-like Restaurant-Finder application with Django, PostgreSQL (AWS RDS), REST APIs, and S3 integration, implementing frontend (HTML/CSS/JS) and backend services, deployed on AWS EC2 for scalable performance.