

Zohaib Ahmed

U.S. Citizen | ahmed.a.zohaib@gmail.com | (636) 484-6916 | [Github](#) | [LinkedIn](#) | zahmed.dev

PURPOSE

As a part-time master's student with experience in both startup and corporate environments, I am committed to pursuing a career in working with data and developing innovative software solutions. My goal is to continuously expand my skillset and contribute to impactful projects as a dedicated junior analyst or engineer.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript/TypeScript, HTML/CSS, R

Frameworks: Spring, React, Node.js, Next.js, Angular, JUnit, Flask

Developer Tools / Infra: Git, Agile, AWS, Docker, BitBucket, SonarQube, Github Actions

Certifications: CompTIA Security+

EDUCATION

University of Texas at Austin

May 2024 – May 2025

Master of Science in Computer Science | GPA: 4.0

Austin, TX

Saint Louis University

Aug 2020 – May 2024

Bachelor of Science in Computer Science | GPA: 3.8

St. Louis, MO

EXPERIENCE

Enterprise

May 2023 – Aug 2023

Java Engineer Intern

St. Louis, MO

- Pair-programmed with experienced engineers to drive the development of a Java Spring application to implement new features on AWS and complete Jira tickets.
- Increased back-end test coverage by 12%, measured by SonarQube, by implementing and deploying unit testing for various services using JUnit and Mockito.
- Improved system efficiency by refactoring key services and reducing computational complexity.

Saint Louis University

Jan 2023 – May 2024

Teaching Assistant

St. Louis, MO

- Assisted in teaching and reviewing object-oriented principles and software design with classes of 50+ students.
- Designed and developed JUnit and pytest based auto-scoring scripts, reducing time to grade by approx. 70%.
- Set up automated grading processes using GitHub Actions workflows for student repositories to streamline submission evaluations.

PROJECTS

LLM Calendar Manager | *Typescript, Python*

- Developed a full-stack calendar management system for students incorporating LLM-assisted commands.
- Designed a NextJS frontend allowing users to intuitively create, update, and delete events and assignments.
- Set up a RESTful API using Flask to manage user calendars and integrated Google Gemini to interpret human-text commands.

Personal Branding Page | *Typescript, GPT, PostgreSQL*

- Designed and developed a portfolio site using Angular to showcase resume, projects, and relevant socials in a seamless, mobile-friendly interface.
- Integrated a serverless, generative AI feature using Supabase Edge Functions and Postgres to implement Retrieval-Augmented Generation (RAG) to answer questions about relevant experience and academics.

CLI Google Drive Integration | *Golang, Cobra*

- Developed a command-line interface allowing users to authenticate, upload, and download files via a local terminal with Google Drive.
- Implemented secure OAuth authentication and leveraged the Drive API to perform nested commands to seamlessly mesh local and Drive file systems.