

Zohaib Ahmed

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EDUCATION

Saint Louis University

Bachelor of Science in Computer Science | GPA: 3.8

Aug 2020 – May 2024

St. Louis, MO

EXPERIENCE

Enterprise

Software Engineer

May 2023 – Aug 2023

St. Louis, MO

- Pair-programmed with experienced engineers to drive the development of Vue/Spring Boot applications utilizing Java and Javascript to implement new features and complete Jira tickets.
- Collaborated on an Agile team to address critical business needs and ensure the smooth operation of multiple internal applications.
- Implemented and deployed comprehensive test suites for key services using JUnit and Mockito to increase Sonar test coverage by approximately 16%.

Saint Louis University

Teaching Assistant

Jan 2023 – Present

St. Louis, MO

- Assist professor in grading Object-Oriented assignments for class of 50+ students through use of JUnit testing and manual code review.
- Organize weekly review sessions and office hours to assist students with understanding course material and problem sets.
- Utilize knowledge of software design principles to provide guidance on best practices and design patterns.

Lingotutors

Software Engineer

Jan 2022 – May 2022

St. Louis, MO

- Developed web application features using PHP within the Laravel framework to improve the user experience, and increase the functionality of the application.
- Worked in an Agile development environment, participating in weekly stand-ups and retrospectives, and contributing to the development of project management tools and processes.
- Utilized Git for version control and code review, to ensure code quality and maintain a clear development history.

PROJECTS

Productivity Manager Web App | *Typescript, Python, PostgreSQL*

December 2023 – January 2024

- Designed a NextJS frontend using TailwindCSS styling to provide a simple, intuitive user interface where users can manage upcoming events and assignments
- Implemented a Flask RESTful API to handle CRUD requests managing a PostgreSQL database storing user calendars.
- Integrated Google Gemini API to interpret human-text commands to conveniently manage user data.

AI Research Chatbot | *Python, GPT-4, Langchain*

July 2023 – Aug 2023

- Developed a chat interface with an autonomous agent that finds relevant research articles on a given topic, vectorizes them, and provides QA to a user.
- Utilized the Langchain framework to create a pipeline for GPT to query the Semantic Scholar database for research and create embeddings to reference in a conversational manner.

COURSEWORK

Current: Capstone Project, Natural Language Processing

Completed: Software Engineering, Databases, Algorithms, Data Structures, Object-Oriented, Machine Learning

TECHNICAL SKILLS

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

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

Developer Tools: Git, Agile, VSCode, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, TensorFlow, matplotlib, Keras