

# AJITH AKUTHOTA

## Software Engineer

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Saint Louis, Missouri

## SUMMARY

A highly motivated Software Engineer with 2+ years of experience at Virtusa, contributing to projects like Google Voice with expertise in testing tools such as Selenium and Copycat, and bug triaging. Currently leading a project as a Technical Lead at Saint Louis University, developing an advanced UI for an LLM-based API recommendation and error detection tool in bioinformatics. I'm eager to work on innovative and impactful projects that enhance user experience and drive technological advancements.

## EXPERIENCE

### Technical Lead - Open Source with SLU

2024 Saint Louis, Missouri

- Led the development and design of an LLM-based API recommendation tool in bioinformatics, including both the model architecture and a user-friendly interface.
- Successfully integrated advanced AI models with a seamless and intuitive interface to optimize research workflows and ensure accurate API usage.
- Collaborated with stakeholders to define project goals, manage timelines, and ensure compliance with industry standards for open-source contributions.

### Software Developer - ICE\_HBV

2024 Saint Louis, Missouri

- Redesigned and improved the ICE-HBV website for better user experience and engagement.
- Managed and maintained social media accounts, promoting HBV cure research and events.
- Developed content and strategies to increase awareness and engagement with key stakeholders.

### Associate Software Engineer - Virtusa

2021 - 2023 Hyderabad, India

- Gained hands-on experience with testing tools like Copycat and Selenium to ensure software quality.
- Effectively triaged and resolved bugs within tight deadlines, maintaining project timelines and quality standards.
- Collaborated with client-side teams, gaining exposure to a wide range of Google applications and enhancing client interaction skills.
- Contributed to optimizing software performance and functionality by identifying and resolving critical issues.

## PROJECTS

### Enhancing Bioinformatics Research through LLM

- Integration of an existing LLM into a tool designed to recommend bioinformatics APIs and detect usage errors in research code.
- The tool improves research accuracy by providing real-time suggestions and error corrections for proper API usage.
- Key contributions include integrating the LLM, developing error detection algorithms, creating a user-friendly interface.

### Just a Second Connector

- Led the development of a custom software solution to facilitate seamless connections between job seekers from the criminal justice system and employers offering second chance opportunities.
- Designed and implemented a data management system to track and match job seekers' profiles with employers' needs, improving job placement efficiency.

### Million-Dollar Showdown

- Designed and developed a Java Swing-based game where players showcase knowledge and strategy to win a million-dollar prize.
- Implemented dynamic UI elements and real-time gameplay mechanics for an engaging and immersive user experience.

### Shop Online Trial Online

- Developed an innovative application that allows users to preview online products at home using AR/VR technology.
- Utilized Vuforia for licensing and Unity 3D to create an APK, providing a virtual representation of products for a realistic shopping experience.

## SKILLS

Testing: Copycat, Selenium

Programming Languages: Java, C, C++, Python

Backend: Nodejs

Frontend: React, JavaScript, HTML, CSS

## EDUCATION

### Master of Science, Computer Science

Saint Louis University

2023 - 2025 Saint Louis, Missouri

GPA

4.0 / 4.0