

# KRISHNASAI KAVURI

St Louis, MO | (314)-575-1198 | saikavuri5566@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## SUMMARY

Results-driven Full Stack **Software Engineer** with 3+ years of experience designing, developing, and optimizing large-scale applications, including contributions to **Google Bard**. Proficient in **Java, JavaScript, React, RESTful APIs, CI/CD, and cloud technologies (AWS & Azure)**. Certified **AWS Solutions Architect** and **Microsoft Azure AI Essentials** professional with a strong focus on scalability, performance, and delivering high-quality software through Agile and Continuous Delivery practice.

## EDUCATION

**Southeast Missouri State University, MS in Computer Science (GPA: 3.91/4.0)** **Aug 2023 - May 2025**

*Relevant Coursework:* Algorithms, Data Analytics, RDBMS, Cybersecurity, Cloud Computing, Artificial Intelligence, Data Structures.

## SKILLS

- **Backend:** Java, Python, Ruby, Golang, C, C++, JavaScript/TypeScript, Go Lang, Data Science, Kotlin, Data Structures. Maven, Gradle.
- **Frontend:** Spring Boot, React, Angular, Node.js, Microservices, CSS, HTML, REST APIs, JSON, XML, Kafka Jest, UX/UI Design.
- **Cloud & DevOps:** AWS (Certified Solutions Architect) EC2, S3, Azure (AI Essentials), Docker, Jenkins, Kubernetes, Terraform, CI/CD, Linux/UNIX, Git, GitHub, GitHub Copilot, Open Source, Containerization, Google Cloud, Bash, Cloud Formation, web services, Jira
- **Database:** Postgres, My SQL, SQL Server, MongoDB, Oracle, Elasticsearch, cloud-native, distributed computing, Scala.
- **Testing & Quality:** JUnit, Selenium, Cypress, Mockito, Postman, SDLC, Test-driven development, Test Automation, OAuth2.
- **Practices:** Agile/Scrum, Domain-Driven Design (DDD), MVP Development, Product Delivery, Design patterns, Troubleshooting, Data modeling, Functional Programming, Cross functional, Software Design, Code Review, Networking, NLP, Business Intelligence.
- **Soft Skills:** Problem Solving, Collaboration, Communication skills, Mentorship, Documentation, Compliance, Customer journey, Team Player, Content Management.

## EXPERIENCE

**Programmer Analyst - Cognizant** **Dec 2020 – July 2023**

- Designed and delivered RESTful APIs and scalable backend systems powering Google Bard, improving response performance by 22% and supporting 5 million+ daily users globally.
- Built responsive, component-based front-end interfaces using React and JavaScript, boosting user engagement by 30% across multiple browsers and devices.
- Partnered with PMs, designers, and engineers to translate product requirements into technical solutions, achieving 95% on-time delivery of high-impact features.
- Developed automated testing pipelines with JUnit and Selenium, increasing code coverage by 40% and cutting QA time by 25%.
- Championed Agile, CI/CD, and XP practices, streamlining release processes and improving sprint velocity by 35%.
- Enhanced monitoring and observability with AWS and custom alerts, reducing production incident response time by 25% and improving reliability for global rollouts.
- Drove end-to-end ownership of Bard features—from design through production—maintaining 99.9% uptime and seamless user experience at scale.
- Collaborated in Agile/Scrum teams delivering high-quality, user-focused product features aligned with Google’s business and usability goals.

**Software Engineer Intern – Kelly Technologies** **Nov 2019 – April 2020**

- Developed Python machine learning models using Pandas and Matplotlib, achieving 85% accuracy in stock price forecasting.
- Implemented linear regression algorithms that reduced supermarket overstock by 12% across 2,000+ products.
- Created interactive dashboards to visualize trends, supporting data-driven inventory management decisions.
- Optimized data processing pipelines with NumPy and Scikit-learn, improving model training efficiency by 20%.
- Designed and deployed an automated anomaly detection system, identifying 95% of fraudulent transactions in real-time.
- Conducted exploratory data analysis (EDA) to identify key business drivers and inform model feature selection.
- Collaborated with cross-functional teams to integrate ML models into production systems, enhancing operational workflows.
- Utilized version control tools like Git to manage codebase and ensure collaborative development efficiency.

## PROJECT

**Student Management System – Full-Stack Web Application | Java, Spring Boot, React.js, Node.js, SQL Server | 2025** [GitHub Link](#)

Designed and developed a **role-based Student Management System** enabling Admin, Teacher, and Student modules with secure authentication and access control. Built **RESTful backend APIs** using Node.js and Express.js for managing student data, attendance, assignments, and performance analytics. Integrated **MongoDB** for data persistence and React.js with Redux for a responsive, dynamic front-end supporting real-time updates and analytics dashboards.

## ACCOMPLISHMENTS

- **AWS Certified Solutions Architect** – Associate (August 2025) [Link](#)
- **Microsoft Azure AI Essentials** – LinkedIn (September 2025) [Link](#)