**KRISHNASAI KAVURI**

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## 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**](https://github.com/KrishnaSai987/Student-Management-System)

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**](https://www.credly.com/badges/74ae583b-e59d-42d4-ac92-4239cae78584/linked_in_profile)
* **Microsoft Azure AI Essentials –** LinkedIn (September 2025) [**Link**](https://www.linkedin.com/learning/certificates/125d6b30da4b943c637b3abd51372b612ab3d4a2bfe763b2ab004c7b170fa7c7)