

# Krishnasai Bairi

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## Summary

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Java Backend Developer with expertise in **Spring Boot, RESTful APIs**, and full-stack development. Experienced in building scalable, maintainable solutions using **Java, Spring Boot, React.js, and SQL/NoSQL databases**. Skilled at designing and deploying secure, high-performance applications and integrating with modern APIs and cloud platforms. Passionate about problem-solving, clean code practices, and delivering impactful software solutions.

## Technical Projects

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### Smart Email Assistant

*Spring Boot, Spring AI, React.js, Gemini API, Browser Extension*

- Built a full-stack email assistant leveraging Spring Boot and Google Gemini API for AI-powered, context-aware email reply generation.
- Implemented tone customization (Professional, Casual, Friendly) for personalized replies.
- Developed a React.js frontend using Material-UI for a clean, intuitive UI.
- Created a browser extension in JavaScript to inject an "AI Reply" button directly into Gmail's compose window.
- Used Axios for API communication and Maven for backend build automation.

### Online Food Delivery Application

*Spring Boot, React.js, MongoDB, AWS S3, Razorpay*

- Designed and developed a full-stack food delivery platform with user authentication, cart management, and live order tracking.
- Built Spring Boot REST APIs with JWT-based authentication.
- Integrated Razorpay for online payments and AWS S3 for secure file storage.
- Developed a React.js frontend for real-time order tracking and smooth user experience.

## Professional Experience

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### Application Development Analyst

*Accenture, Hyderabad*

*Client: Google*

**Aug 2022 – Present**

- Architected and deployed a real-time dashboard leveraging Google Apps Script that revolutionized bug tracking workflows, reducing triage time by **60%**.
- Automated complex data processing pipelines in Google Sheets through advanced Apps Script implementation, eliminating manual reporting bottlenecks.
- Engineered high-performance SQL queries for event stream analysis, enabling rapid root cause identification and reducing mean time to resolution by **40%**.
- Pioneered predictive anomaly detection through Looker Studio dashboards, resulting in a **20% decrease** in critical escalations.
- Drove cross-functional initiatives to implement architectural improvements, boosting overall system stability by **30%**.

## Technical Skills

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- **Languages:** Java, JavaScript, SQL, Python
- **Frameworks:** Spring Boot, Spring Data JPA, Spring Security, React.js
- **Databases:** MySQL, MongoDB
- **Cloud/Tools:** AWS (EC2, S3), GCP, Git, Postman, Maven, IntelliJ IDEA, VS Code
- **Others:** REST APIs, JWT Authentication, Swagger, Google Apps Script

## **Education**

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**B.Tech** — SR Engineering College, Warangal  
CGPA: 8.8/10

**May 2019 – May 2022**

**Diploma in Engineering** — VMR Polytechnic College, Warangal  
Percentage: 89%

**Apr 2016 – Apr 2019**

## **Certifications**

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Associate Data Practitioner (Google)