

DASARI VAMSI

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SUMMARY

Systems Engineer with 2+ years of hands-on experience in developing scalable full-stack applications using Java, Spring Boot, JavaScript, and PL/SQL. Currently contributing to a BFSI insurance project, with a strong focus on microservices architecture, RESTful APIs, and backend performance optimization. Proficient in debugging complex issues, improving system efficiency, and delivering production-ready code. Currently based in Kolkata and open to relocation, especially to Hyderabad.

EDUCATION

BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY 2020 - 2023

B.TECH, COMPUTER SCIENCE AND ENGINEERING

- **Coursework:** Object-Oriented Programming (OOPs), Database Management System (DBMS), Operating Systems, Data Structures and Algorithms (DSA), Design and Analysis of Algorithms, Software Development.

WORK EXPERIENCE

TATA CONSULTANCY SERVICES Sep 2023 – Present

Systems Engineer - Kolkata

- Contributing to the Backend development and enhancement of the *Agency & Reinsurance* module in a BFSI-based insurance application, leveraging **Java**, **Spring Boot**, and **Oracle SQL**.
- Collaborating closely with cross-functional teams and clients to resolve complex functional queries and deliver over 10+ new features ahead of deadlines.
- Designing and integrating **RESTful APIs** to streamline data flow between core systems and agency & reinsurance components, ensuring robust backend communication.
- Conducting in-depth code reviews and debugging sessions to resolve 90% of reported issues, significantly lowering the bug reopen rate to under 15%.
- Optimizing **PL/SQL** queries and backend logic, resulting in a 25% faster report generation and a 30% boost in batch job performance. Working in an Agile environment with frequent deployments, ensuring seamless integration and thorough unit/system testing of every release.

PROJECTS

AUTOMATED STUDENT REVIEW SYSTEM USING COMPUTER VISION AND CNN |

<https://github.com/darkbloodprince/Automated-Student-Review-System>

- Developed an **Automated Student Review System** with a **React.js** frontend and a **Flask** backend, utilizing **Python**, **OpenCV**, and **TensorFlow (CNN)** to analyze student behavior through computer vision and deliver real-time performance evaluations.

ONLINE RESUME BUILDER | <https://github.com/darkbloodprince/OnlineResumeBuilder>

- Developed a dynamic **Online Resume Builder** application with a **React.js** frontend and a **Java Spring Boot** backend, integrating **MySQL**, and **REST APIs** to enable users to create, edit, and download professional resumes with real-time preview and data persistence.

SKILLS

- **Programming Languages:** Java, HTML, CSS, JavaScript, PL/SQL, SQL
- **Frameworks & Libraries:** React, Spring Boot, JDBC
- **Databases & Tools:** Oracle SQL, Git.
- **Concepts & Methodologies:** REST APIs, Data Structures & Algorithms, SDLC, Agile

ACHIEVEMENTS & CERTIFICATIONS

- **Java Full Stack Development** – QSpiders/JSpiders (May 2023 – August 2023).
- **Android App Development** – Immensphere, Verzeo - Internship.
- **Python programming course** – CodeTantra.