

Sai Mani Kiran Bandi

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SUMMARY

Detail-oriented and results-driven Java Software Engineer & Technical Support Specialist with a strong foundation in Computer Science, software development, and troubleshooting. Skilled in Java, Spring Boot, RESTful APIs, multi-threading, and cloud deployment. Experienced technical support, issue resolution, production environment maintenance, and end-user training. Proven ability to analyze complex technical issues, collaborate with cross-functional teams, and ensure optimal application performance. Adept at using ticketing systems, debugging tools, and root cause analysis to provide high-quality technical solutions in fast-paced environments.

EDUCATION

Eastern Michigan University Ypsilanti, MI

Apr 2026

MS, Computer Science

GPA: 3.92

- **Coursework:** Data Structures & Algorithms (java), Programming languages, Database management systems, Object-oriented Design, Big Data

Bharath Institute of Higher Education and Research Centre Chennai, India

May 2022

BS, Electronics and Communication Engineering

GPA: 3.56

- **Coursework:** Microcontrollers, Analog and Digital communications, Web programming, Computer Networks, Nano Electronics, Satellite Communications

WORK EXPERIENCE

Eastern Michigan University

Aug 2024 - Present

Graduate Assistant

Ypsilanti, MI

- Provided technical support for lab systems, ensuring operational stability, user access, and software configuration..
- Assisted students and faculty with troubleshooting Java applications, debugging code, and resolving technical issues in real time.
- Delivered one-on-one and group training sessions on object-oriented programming, RESTful APIs, multi-threading, and debugging techniques.
- Collaborated with faculty to optimize lab processes, improve user experience, and maintain system documentation..
- Collaborated with faculty to provide lab support and user training, reinforcing post-implementation support practices and promoting continuous improvement through effective communication and feedback.

PROJECT EXPERIENCE

SHU Ecommerce Website

Jan 2025 - Apr 2025

- Designed and developed a full-stack e-commerce platform enabling users to browse, customize, and purchase shoes, with features for user authentication, shopping cart, and secure payments.
- Implemented backend using Node.js and Express, integrated CouchDB for product and user data management, and configured REST APIs for frontend-backend communication.
- Enabled admin-only product uploads with category tagging and image handling using Multer, and incorporated Stripe for secure payment processing.
- Deployed the website in the AWS EC2 instance. We can also access it in the following website.

Cyber Stream

Aug 2024 - Dec 2024

- Developed a full-stack cybersecurity tool using Spring Boot, integrating features inspired by Nmap, Wireshark, and Metasploit to perform automated reconnaissance, packet sniffing, and vulnerability exploitation
- Designed a responsive web dashboard with live scan results, exploit logs, and tab-based navigation using HTML, CSS, and JavaScript, integrated REST APIs for real-time data flow and system control which are managed by the Rest Controller in the backend.

SKILLS

- **Languages:** Java, Html, CSS, JavaScript, Python

- **Design Patterns:** Singleton, MVC, Bean Factory, Adapter
- **Technologies:** Spring boot, Nodejs, AWS, Linux Command Line, Git, Restful Api's, JDBC, object-oriented Design, UML, Multi-threading, XML Technologies
- **Databases:** MySQL, CouchDB (No-SQL)
- **IDE's:** VsCode, Eclipse, IntelliJ
- **Additional Skills:** Analytical Skills