

Sai Mani Kiran Bandi

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[LinkedIn](#) | [GitHub](#)

EDUCATION

Eastern Michigan University

Ms in Computer Science

Ypsilanti, MI

Expected Graduation: Dec 2025

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

BS in Electronics and Communication Engineering

Chennai, India

Graduation: May 2022

GPA: 3.56

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

WORK EXPERIENCE

Eastern Michigan University

Ypsilanti, MI

Graduate Assistant

Aug 2024 – Current

- Tutor undergraduate students in core Computer Science courses, including data structures, algorithms, object-oriented programming, and Python/Java.
- Guide students in problem-solving and debugging techniques, enhancing their coding skills and academic outcomes.
- Collaborate with faculty and provide lab support to strengthen student engagement in technical coursework

PROJECT EXPERIENCE

SHU Ecommerce Website

Jan – 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.

<https://www.saimanikiranbandi.com/Ecommerce-couchdb/Login/login.html>

Cyber Stream

Aug – 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

Databases: MySQL, CouchDB (No-SQL).

IDE's: Vscode, Eclipse.