SPARSH BISEN

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PROFILE SUMMARY

I am a final year Computer Science and Engineering (CSE) student with experience in backend development using technologies like Node.js and Java. Through my internship at DRDO's DYSL-AI Lab, I gained hands-on experience working on AI-driven defense projects. This experience helped me develop a strong understanding of machine learning algorithms and model optimization for real-time applications. I am passionate about using technology to solve complex problems and continuously expanding my technical skill set. Additionally, I have a solid grasp of database technologies, including DBMS and SQL.

EDUCATION

Bachelor of Engineering
2021 – 2025
Bachelor of Engineering in Computer Science and Engieering
CGPA: 7.7
Don Bosco Institute of Technology, Bengaluru

12th GRADE
2019 – 2021
Swargarani PU College, Bengaluru
Percentage: 91%

PROJECTS

Packet Sniffer (JAVA)
- A Java-based packet sniffer project involves creating software that can intercept and analyze network traffic. It typically includes functionalities like capturing packets, parsing data, and displaying information such as IP addresses, protocols, and payload contents. The project often utilises jpcap library for packet capture and processing, providing insights into network communication for troubleshooting, monitoring, or security analysis purposes.

Bank Management System (JAVA and JDBC)
- A Bank Management System developed using Java Swing and JDBC integrates a user-friendly interface with database connectivity for efficient banking operations. Java Swing provides a GUI for easy navigation and data input, while JDBC facilitates seamless interaction with the underlying database, ensuring data integrity and security. This system enhances banking functionalities, streamlines operations, and improves customer service.

Zoom Clone (Node.js)
- The Zoom clone project is a project that guides you through building a real-time video conferencing application using a modern tech stack .
- Tech Stack used: **[Next.js, Chakra UI, WebRTC, Socket.io, Node.js]**

EXPERIENCE

DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION | SEPT 2024 – PRESENT
During my internship I will be assisting in AI-driven projects by developing and testing machine learning algorithms. Also I will be the understanding of data preprocessing, model optimisation, and performance analysis for real-time applications. Collaborated with senior researchers to enhance AI capabilities in critical defense systems.

MICROSOFT | NOV 2024 – PRESENT
- **Alpha Microsoft Student Learn Ambassador | JAN 2024 - JUNE 2024**
The Alpha Microsoft Learn Student Ambassador program is an initiative designed to recognise passionate students around the world who are keen to build technical skills, and grow their careers.
- **Beta Microsoft Student Learn Ambassador | JULY 2024 - Present**
As a Beta Ambassador, I have demonstrated my enthusiasm and commitment to community building and technical learning.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python
Technologies and Framework: NLP, Pandas, Spacy
Computer Fundamentals: Computer Architecture, Data Structures and Algorithms, Object-Oriented Programming, Operating System
Other Tools: Git, GitHub, VS Code, Postman, ChatGPT

LINKS
- **LinkedIn : www.linkedin.com/in/sparshbisen**
- **GitHub : https://github.com/SparshBisen**