

SK RIHAN AKHTAR

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EDUCATION

- Vellore Institute of Technology**
Bachelor of Technology- Computer Science & Engineering; GPA: 8.1* /10
- Vellore, India**
2022-2026

SKILLS SUMMARY


- Programming Languages**
 - Frontend Technologies**
 - Backend/DevOps**
 - Other Tools and Technologies**
- Python, Javascript, C, C++, Java

ReactJS, NextJS, HTML, CSS, Bootstrap, TailwindCSS


NodeJS, ExpressJS, MongoDB, Oracle SQL

Git, Postman, Scrum Agile, Linux, Data Analysis, Machine Learning


EXPERIENCE

- Indian Railways, East Coast Railway Department**
IT Intern
- May 2024-July 2024**
- Developed and deployed** a comprehensive Complaint Management System (CMS) for internal use, significantly improving the efficiency by **45%** of handling employee grievances
 - Led team of 10** to deliver new customer support system; leveraging technologies such as **Node.js, Express, MongoDB, bcrypt, and multer**.
 - Optimized backend processes** to enhance the performance and reliability of the CMS, resulting in a **30%** reduction in complaint resolution time.
- Hacktoberfest 2023**
Open Source Collaborator
- Oct 2023**
- Engineered and deployed enhancements to multiple open-source projects by integrating **Node.js, Express, React, and MongoDB**; these upgrades improved application performance metrics by **30%**, benefiting an active user base of **5,000+ developers**.
 - Resolved over **10 issues** across various repositories, enhancing the functionality and performance of community-driven projects.
 - Collaborated with developers** worldwide, gaining valuable insights and improving code quality through peer reviews and code discussions.
- ## PROJECTS
- PositiVITi 1.2, DevSoc Hackathon Project** 

- An anonymous counselling chat **application**, aimed to cater to the needs of introverted students seeking counselling services without revealing their identity.
 - Implemented secure **real-time communication** and user authentication, ensuring **100% data privacy**.

- Driver Drowsiness Detection** 

- Developed a real-time **computer vision** application to detect driver drowsiness using **Python** and **OpenCV**.
 - Utilized facial landmarks and blinking patterns to accurately determine signs of fatigue and alert the driver with an **85%** accuracy rate.

- OdiaLang** 

- Developed a programming language using **JavaScript** featuring basic constructs like variable declaration and arithmetic operations.
 - Accompanied by a **lexer** and **compiler** for code analysis and execution, designed with support for the Odia language by implementing core functionalities such as variable management, arithmetic operations, and control structures, facilitating the creation of basic programs.