Sujal Kumar

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○ Github

👤 PROFILE

Passionate Full Stack Web Devloper and AI Enthusiast with expertise in building scalable applications and intelligent solutions. Strong problem-solving skills, demonstrated by real-world projects in Web Development, AI, and Deep Learning.

🎓 EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering,
Kalinga Institute of Industrial Technology (KIIT)
08/2022 – present | Bhubaneswar, India
CGPA:8.2

Intermediate (12th Grade)
Kerala Public School
Percentage: 81.75%
Year of Passing: 2022

Matriculation (10th Grade)
Kerala Public School
Percentage: 83%
Year of Passing: 2020

🌐 LANGUAGES

- English
- Hindi

🧩 SKILLS

- **Programming Language:** Javascript, C, Python, Java
- **Web Technologies:** HTML, CSS, React, Next.js, Node.js, Express
- **Machine Learning & AI:** TensorFlow, PyTorch, OpenCV
- **Database:**MongoDB, MYSQL
- **Templating Engine**: EJS
- **Version Control:** Git, GitHub

📚 RELEVANT COURSEWORK

- Data Structures & Algorithms
- Machine Learning & AI
- Database Management Systems (DBMS)
- Software Engineering
- Full Stack Web Development

💼 INTERNSHIP EXPERIENCE

Prodigy InfoTech
- Designed and implemented secure user authentication systems.
- Developed a CRUD-based employee management application with robust validation and authentication.
- Built an e-commerce platform with product listings and shopping cart functionality.
- Created a real-time chat application using WebSocket technology for instant messaging.
- Worked extensively with Node.js, Express, MongoDB, and React.

📂 PROJECTS

Web Socket Chat Application
- Developed a real-time chat application using WebSockets for instant messaging.
- Implemented user authentication, allowing users to register, log in, and join chat rooms.
- Integrated a private messaging feature to enhance user interaction.
- Built using Node.js, Express, and MongoDB, ensuring efficient performance.
- Managed project versioning using GitHub.
- Github Repository : Web-Socket-Chat-Application ⌕

Employee Management System
- Developed a web application that allows administrators to perform CRUD (Create, Read, Update, Delete) operations on employee records.
- Integrated secure authentication mechanisms to protect sensitive employee data.
- Designed a responsive UI using React.js and CSS for a seamless user experience.
- Implemented Node.js and Express for backend processing, with MongoDB for data storage.
- Ensured data validation and security to prevent unauthorized access.
- GitHub Repository: Employee-Management-System ⌕

Real-Time Pothole Detection and Autopilot Speed Determination Using YOLOv8-seg
- Developed a Pothole Detection System using YOLOv8-seg for real-time pothole identification.
- Used OpenCV & cvzone for real-time video processing and visualization.
- Employed Roboflow for high-quality dataset management and annotation.
- Designed the system to work with autonomous vehicles, helping determine vehicle speeds in autopilot mode.
- Maintained code integrity and version control using GitHub.
- GitHub Repository: Pothole-Detection ⌕

🪪 CERTIFICATES

- Full Stack Web Devlopment Internship Certificate ⌕
- Data Analytics Process Automation Internship Certificate ⌕
- Data Science Virtual Internship Certificate ⌕

🧩 SOFT SKILLS

- Problem-Solving
- Team Collaboration
- Communication
- Adaptability & Quick Learning
- Leadership & Project Management
- Code Optimization