Suraj E M

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About

Passionate **Software Engineer** and **Developer** with a strong foundation in Web Development and Machine Learning. Currently in my final year of B.E , eager to contribute to innovative projects and dynamic teams. Known for problem-solving skills, dedication, and delivering high-quality software solutions.

Education

M S Ramaiah Institute of Technology — Bengaluru,India
B.E - Information Science and Engineering , CGPA - 9.03 — Dec 2021 - July 2025

SIR MV PU College — Davangere,India
12th - State Board - 95% — June 2019 - July 2021
KCETRank- 3904

Kendriya Vidyalaya Davangere — Davangere,India
10th - CBSE - 90% — April 2019
School Vice Captain for 2 consecutive years
2nd Place in State Level Debate Competition

Internship

Software Intern at Bharat Electronics Limited - (Certificate)
• Developed an AI-driven tool to summarize PDF and DOCX files using the Waterfall model.
• Enabled offline summarization with user-selectable BART (Facebook) and Pegasus (Google) models.
• Built a fully offline application with a React frontend and FastAPI backend for optimal performance.

Projects

Privee - (*GitHub*) - *HTML, CSS, JavaScript, Node.js, Express, Socket.io*
• Developed a real-time chat application ensuring seamless and private communication.
• Application emphasizes security with 2 users and privacy by not storing any user data.
• Built a server with Node.js and Express to manage socket connections and static file serving.

Student-Grievance-System- (*GitHub*)- HTML, CSS, JavaScript, Node.js, Express.js
• Developed a system for anonymous reporting of campus issues such as teaching quality and cleanliness.
• Implemented confidential complaint submission to encourage open feedback.
• Collaborated with team members to enhance the student experience and address campus issues.

Change Detection Due To Human Activities- (*GitHub*)- *Python, Machine Learning (Group Mini Project)*
• Implemented a Siamese Bi-UNet model using CNNs for image comparison and change detection.
• Utilized image analysis to detect environmental and infrastructure changes.
• Produced output as a black and white spectrum to visualize human-induced changes.

Technical Skills

Languages: C++, Python.
Problem Solving: Data Structures and Algorithms in C++.
Technologies: HTML, CSS, JavaScript, Node.js, Express.js, React.js, Next.js, Machine Learning.
Databases: MySQL, NoSql.