Rohan

B.E · Computer Science and Engineering

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Personal Profile

An Engineering student with a deep passion for Computer Science, particularly in web development and programming. Highly interested in full stack development and continually strive to enhance my skills in various tools and frameworks. Motivated to stay at the forefront of technology and also leverage my knowledge to create innovative and efficient solutions. Dedicated to lifelong learning and consistently seek opportunities to expand my expertise in the ever-evolving tech landscape.

Education

Sahyadri College Of Engineering and Management(Autonomous)
Mangaluru, India

B.E in Computer Science and Engineering
Dec 2021 - Current
- **CGPA:** 9.05

St. Philomena Pre University College
Puttur, India

Pre University in PCMB
May 2019 - May 2021
- **Percentage:** 94.83

Sri Ramakrishna High School
Puttur, India

High School
Jun 2016 - Apr 2019
- **Percentage:** 95.68

Internships

Eklavya.me

Game Developer
Nov 2023 - Feb 2024
- Worked as a JavaScript game development intern and contributed in creating and improving games built on HTML5. Also worked on games developed on frameworks such as Phaser Js.
- Worked as an Alpha tester for the ecommerce mobile application developed by the organization.
- **Technical Skills:** Git, Github, JavaScript, CSS, Phaser Js

COE Cyber security and Digital Forensics, SCEM

Technical Intern
Oct 2023 - Nov 2023
- Worked in developing a team project of Detection of Synthetic voice manipulation. Introduced to various concepts of machine learning and web development.
- Worked as an Alpha tester for the ecommerce mobile application developed by the organization.
- **Technical Skills:** Git, Github, OpenCV, Tensorflow, React, Typescript

Projects

Open Source Real-time IoT Enabled Transportation Monitoring for Educational Institutions

Sahyadri College Of Engineering and Management
Jun 2024 - Present
- Creating an open source school bus tracking system for educational institutions where the institution and the parent can track the safety of the students in real time.
- The project aims to provide safety to students and also protect the Driver against any false allegations during accidents.
- The bus will be integrated with tracking systems. The students will board and unboard by scanning. Each student's data will be stored in cloud and the parent can access the boarding unboarding details of their child. Also the location and speed of the bus will also be tracked real time and any inappropriate activities will be alerted to the institution.
- **Technical Skills:** IoT, Full stack development, LaTeX.

ResQL - Disaster Response System

Sahyadri College Of Engineering and Management
Mar 2024 - Apr 2024
- ResQL is a database management system project which is developed to help the officials who are working during the time of a catastrophe.
- The system consists of public user, volunteer user and official user, who have their own functionalities. The public user can donate to overcome a particular disaster. He can also register himself as a volunteer to serve the people during the disaster. The officials can report disasters in the system.
- **Technical Skills:** React, PostgreSQL, Express

Waste Recognition and segregation using Image processing and IoT

Sahyadri College Of Engineering and Management *Jan 2024 - Mar 2024*

- The project was to develop a waste segregator which will segregate the waste into predefined categories such as Plastic, Metals, Ceramics, Paper, etc.
- The Machine learning model was initially trained with the dataset of different categories of dry waste using OpenCV. Then the model was able to classify the wastes to different categories. Based on the prediction of the model, the segregator was rotated to different angles, to which the input was fed through rasberry pi.
- **Technical Skills:** IoT, OpenCV

Skills

Programming	C/C++, Java, Python, HTML/CSS, JavaScript, SQL.
Miscellaneous	Linux, LaTeX, React, Express, MongoDB, Microsoft Office, Git and GitHub.
Soft Skills	Teamwork, Problem-solving, Documentation, Engaging Presentation.

Interests

Cooking	I do a little bit of cooking on my free time. I try various vegeterian and non-vegeterian dishes.
Watching Youtube	I like to watch informative and entertaining videos on Youtube. Crreators like Vsauce and Electroboom are one of my favorites.
Listening to Music	I like listening to music in my free time and while travelling. I listen to music from 80s, 90s and early 2000s.
Drawing	I am also interested in drawing since my childhood. I have spent my lockdown time drawing small pictures.

Languages

English	Professional proficiency
Hindi	Professional proficiency
Kannada	Native proficiency
Japanese N5	Basic Communication level

References available upon request.