



Pranav CM


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Bachelor of Engineering

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 GitHub Profile

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EDUCATION

•Bachelor of Engineering in Electrical and Electronics Engineering

2022-26

Sri Sivasubramaniya Nadar College Of Engineering

CGPA: 8.5

PERSONAL PROJECTS

•Connectify (social media website)

Nov – Dec 2023

React website built on the MERN stack that brings people together in a seamless digital space

- Created a social media platform using MERN stack (MongoDB, Express.js, React, Node.js) for robust, scalable performance.
- Integrated RESTful APIs to enable seamless data exchange between client-side and server-side components.
- Technology Used: Reactjs, Javascript, HTML, CSS, NodeJS, ExpressJS, MongoDB.

•OCR Text Extraction

Apr - May 2024

Android application utilizing OCR technology to convert handwritten student information into editable formats

- Developed a machine learning model for handwritten text recognition and box detection using TensorFlow and OpenCV, achieving high accuracy in text extraction.
- Integrated the machine learning model into a Flutter application for seamless text recognition on mobile devices.
- Designed and developed the back end of the application using python, flask and firebase, handling user authentication, image storage, and text retrieval.
- Technology Used: Flutter, Firebase, OpenCV, Tensorflow, Flask.

•Smart Vehicle Security and Safety System

Apr – Present

vehicle theft prevention and rapid accident detection and rescue system by notifying the owner via SMS

- Developed a vehicle theft detection and remote engine locking system.
- Used facial recognition technology using Raspberry Pi to identify the vehicle owner's face.
- Implemented IoT-based automatic accident detection using accelerometer sensors.
- Enabled rapid notification of accidents to guardians and rescue teams.
- Technology Used : Iot

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C++, Javascript, HTML+CSS

Libraries : ReactJs, Redux, Material-UI, OpenCV, Tensorflow

Web Dev Tools: VScode, Git, Github, Versel, Postman

Frameworks: Nodejs, Expressjs, Django, Flask, Flutter

Cloud/Databases: MongoDB, Relational Database(MySql)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System

Areas of Interest: Web Design and Development.

Soft Skills: Problem Solving, Self-learning, Adaptability, Communication, Leadership

ACHIEVEMENTS

- Won College-Level Internal Smart India Hackathon
- Solved 200+ Problems – LeetCode