SANTHOSH K

Front-End Developer

CHENNAI, INDIA
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Technical Expertise

Programming Languages: Python, Java, JavaScript, TypeScript, SQL

Frameworks: ReactJS, NEXT JS, Flask, Django

Database Servers: Microsoft SQL Server

Source Control Tools: git

Unit testing libraries: Jest (ReactJs)

Experience

Cybomb Technologies LLP, Chennai

Front-End Developer- From Nov - 2024

- Proficient in **Python, Java, JavaScript**, **TypeScript,** and **SQL**, with strong hands-on experience in developing web applications, REST APIs, and UI design.
- Over **8 months of experience** in the full SDLC (Software Development Life Cycle). • Expertise in developing and maintaining scalable web applications using **React.js, Javascript**.
- Successfully contributed to a major web project: **ShopSmart E-Commerce.**

Projects

ShopSmart E-Commerce - From May/2025

- Designed and developed a responsive, user-friendly e-commerce interface using React.js.
- Implemented reusable components and styled layouts, state management using Hooks.
- Integrated RESTful APIs via Axios to dynamically render and manage product data on the frontend.

Driver Drowsiness Detection System- Jan/2024 – May/2024

• Objective: Develop a drowsiness detection system using YOLOv5 to analyze facial features and eye movements.
• Method: Curated and annotated a diverse dataset to train a modified YOLOv5 model, incorporating facial landmarks and eye tracking.
• Key Features: Eye closure duration, blink frequency, and head pose.

- Outcome: Demonstrated high accuracy, speed, and robustness in real-time detection, highlighting potential for widespread vehicle implementation.
- Keywords: Image processing, monitoring system, safety analysis, real-time detection.

Skin Cancer Detection Using DeepLearning - Jan/2023 – May/2023

- Objective: Implement a skin cancer detection method using Deep Convolutional Neural Networks (DCNN).
- Method: Enhanced a pre-trained DCNN model with the HAM10000 dataset of skin lesion images.
- Evaluation: Tested on a skin lesion image set, achieving cutting-edge performance in diagnosis.
- Outcome: Potential to assist doctors in early identification and contribute to automated skin cancer screening.
- Keywords: DCNN, skin cancer detection, medical image analysis, HAM10000.

Education

SASTRA University - B.Tech, CSE, Jun 2020 - May 2024