ANKIT SHAW

Full Stack Developer

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GitHub   My Portfolio

ABOUT ME

Motivated and detail-oriented Full Stack Web Developer with a strong foundation in front-end and back-end technologies. Recently completed hands-on projects using modern frameworks like React and Node.js, demonstrating the ability to build responsive and user-friendly web applications. Eager to join a dynamic development team where I can contribute, grow, and expand my technical skill set. Committed to continuous learning and passionate about solving real-world problems through code.

EDUCATION

Kanchrapara Harnett English Medium School | 2021-2022
Class 12 (CBSE) | Percentage - 70.2%

Kalyani Government Engineering College | 2023-2027
Bachelor Of Technology | Information Technology | CGPA - 6.5

PROJECTS

Smart Precision Farming for Water Conservation

Tech Stack :
Frontend : React.js, Tailwind CSS, GSAP, THREE.JS,   Chart.js, Day.js , Axios, React Icons.
Backend : Python, Flask + Flask-CORS, Requests, Open-Meteo API, GeoLocation API.
Database : Firebase

Features
• Location-Aware Farming
• Multi-Sensor Network Architecture
• 5 days hourly Weather Forecast
• Soil Moisture Chart
GitHub

Library Management System

Tech Stack : MERN

Key Features :
• Admin & User
• Dashboard
• Login/Register user
• Book add,issue,submit

GitHub

CCTV Surveillance System

An AI-powered CCTV monitoring system that detects people and safety compliance (like helmets) inside restricted zones using YOLOv8 and OpenCV.

Tech Stack :
• Python OpenCV (cv2) – video stream handling
• Ultralytics YOLOv8 – object detection
• Custom Configs – config/zones.py for restricted zones
• Custom Utilities – logging and drawing helpers

Key Features:
• Real-time object detection using YOLOv8
• Monitors CCTV footage or video files
• Detects people entering restricted zones
• Helmet detection for safety compliance
• Logs alerts for violations
• Easy to configure zones and camera IDs

GitHub

SKILLS

• Programming - C++, Python, JavaScript, Java
• Database - MySQL, MongoDB, Firebase
• Frameworks/ Libraries - React.js, Node.js, Flask, Express.js, FastAPI, Email.js
• ML Libraries - Numpy, Pandas, Matplotlib, Seaborn, Scikit Learn, Tesseract OCR, YOLOv8, OpenCV
• Software - Visual Studio Code, Git & GitHub, Cursor AI