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Projects

DetectMe | Computer Vision & Deep Learning Project

Dec 2024 - Present

- Engineered a real-time object detection system using Python, OpenCV, and YOLOv8 neural network architecture.
- Achieved robust object detection with labeled bounding boxes and confidence score achieving 95% accuracy.
- Optimized model performance for real-time processing of video feed reducing latency from 300ms to 100ms per frame.
- Github Repository Link: [Ultralytics-opencvProject](#)

Humini | HTML, CSS, React.js, API Integration

Sep 2024 - Oct 2023

- Developed a web application integrating large language models for natural language processing.
- Implemented RESTful APIs for seamless communication between frontend and AI backend.
- Utilized React.js for frontend development with responsive design patterns.
- Github Repository Link: [Humini](#)

FoodMon | HTML, CSS, JavaScript, Bootstrap, React.js, Node.js, MongoDB.

July 2023 - Aug 2023

- Designed a web application for adding and selling food items while minimizing food waste by 40%.
- Integrated a responsive frontend using Bootstrap and integrated MongoDB for efficient data management.
- Built a scalable backend with Node.js to handle user interactions and transactions.
- Github Repository Link: [FoodMon-FoodDelivery](#)

Certificates

Full Stack Development using MERN

August 2024

CipherSchools [Link](#)

Front Development Libraries

August 2024

FreeCodeCamp [Link](#)

Problem Solving (Basic)

April 2024

Hackerrank [Link](#)

Data Structure and Algorithm using JavaScript

March 2023

FreeCodeCamp [Link](#)

Achievements

Secured top 10 teams in the Hackathon: BYTECODE 2.0:

March 2024

Participated and ranked top 10 team in the Hackathon organized by Bytecode.

Technical Skills

Languages: C++, Java, JavaScript, Python

Technologies/Frameworks: HTML, CSS, Bootstrap, NodeJS, Express.js, React.js, Redux, PyTorch, TensorFlow, NumPy

Database: MySQL (RDBMS), MongoDB (NoSQL)

Skills: Full Stack Development (MERN), RESTful APIs, Authentication (OAuth, JWT), Webhooks, Data Structures and Algorithms, Problem-Solving, Debugging, Responsive Web Design

Education

Lovely Professional University Punjab

2023 – 2025

Master in Computer Application — TGPA: ongoing 8.04

Jalandhar, Punjab

Lovely Professional University Punjab

2020 – 2023

Bachelor in Computer Application — CGPA: 8.5

Jalandhar, Punjab

MK DAV Public School

2016 – 2018

12th with Science — Percentage: 71%

Barwadih, Jharkhand

MK DAV Public School

2015 – 2016

10th with Science — CGPA: 9.4

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