Ali Haider

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https://github.com/haidersince2k2

SKILLS

- **HTML, CSS, JavaScript, JQuery**
- **C, C++, Python, C#, Java**
- **Bootstrap, Tailwind, Material UI, Less**
- **React, Node, Express, Django, Next**
- **Unity**
- **MERN Stack**
- **MongoDB, MySQL**
- **Deep Learning, Machine Learning**

TOOLS

- VS Code
- Google Colab
- Jupyter Notebook
- VS
- Google Earth Engine
- Unity

EDUCATION

- BS CS|COMSATS University Islamabad *CGPA: 3.05| (2021-2024)*

EXPERIENCE AND PROJECTS

Remote Sensing Based Yield Enhancement of Sugarcane *(01-03-2024- Present)*

- Developing a full-stack application with Next.js for the frontend and Django for the backend to monitor sugarcane crops using satellite imagery and machine learning.
- Utilizing machine learning algorithms for field delineation, crop classification, and enhancing sugarcane yield predictions based on NDVI and other spectral indices from remote sensing data.
- Implemented real-time notifications and advanced search/filter functionalities to improve user engagement and data exploration.
- Integrated role-based access control with different user models (Manager, Owner and Staff) to ensure secure data access.

Internship | Vital Green Ltd *(15-07-2024- 15-09-2024)*

- Developed a backend application using Django and implemented machine learning models at Vital Green Ltd.
- Gained experience in working with agile methodologies and improved problem-solving skills.

Vehicle Detection and Counting System |Python *(25-04-2024 – 03-06-2024)*

- Developed a computer vision-based project utilizing YOLO V8 for vehicle detection and SORT for tracking.
- Created algorithms for accurate real-time vehicle detection and counting, enhancing traffic management and surveillance solutions.

Real Fitness |Gym Management & E-commerce App | MERN *(10-09-2023 - 20-12-2023)*

- Developed a web management application for Real Fitness that enables users to purchase gym memberships and equipment, featuring integrated e-commerce functionality.
- Implemented admin CRUD operations for efficient data management, allowing administrators to oversee users, memberships, and inventory.

Autism Detection | Python *(25-08-2023 – 15-09-2023)*

- Developed an Autism Detection system using Flask, HTML, CSS, JavaScript, and Bootstrap, integrating machine learning and digital image processing for accurate diagnostic assessments.
- Implemented a user-friendly interface to facilitate easy data input and visualization of results, enhancing accessibility for users and healthcare professionals.