

HASSAN HUDA

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OBJECTIVE

I want to use my software development skills in a company that leads in AI-powered jobsite reality capture and progress tracking. I'm excited to learn new things and be part of smart and creative projects

EDUCATION

Master of Computer Applications (MCA)

Lead College of Management, Palakkad | 2024 - 2026 (Expected)

Project: Lumos Learning App – Created an accessible learning app for children with disabilities, incorporating features for enhanced accessibility.

Bachelor of Computer Applications (BCA)

University of Calicut | 2021 - 2024

Project: Parking Space Detection System: Developed an intelligent system using computer vision and machine learning to monitor real-time parking availability and provide seamless management through a user-friendly web-based interface.

INTERNSHIP EXPERIENCE

Machine Learning Intern

Acura Software Solutions (Remote) | Sep 2023 – Feb 2024

- Conducted project work titled "**AI-Based Parking Slot Detection and Management System**" as part of academic requirements.
- Designed and implemented a computer vision system to identify parking slot availability in real-time.
- Developed a management interface to display parking data, enhancing operational efficiency.
- Recognized for hard work, punctuality, and efficiency during the internship.

PROJECT EXPERIENCE

Parking Space Detection System

- Developed a CNN model using YOLO to identify parking slots as vacant or occupied in real-time.
- Built a Flask-based web app to display parking availability, integrating OpenCV for image processing.

Lumos Learning App

- Designed an app to aid children with disabilities, focusing on accessibility and inclusivity.
- Incorporated voice-guided navigation, adjustable font sizes, color contrast options, and interactive writing exercises with audio support.

Corn Disease Detection

- Leveraged YOLOv8 to quickly and accurately identify diseases in corn leaves.
- Delivered actionable insights to help farmers implement timely measures to protect crops.

DDoS Attack Detection Using Logistic Regression

- Created a Logistic Regression model to detect and classify network traffic as normal or DDoS attack.
- Developed a Python-based script for real-time detection and prevention of DDoS attacks.

CERTIFICATIONS

- Acura Software Solutions - Developed the Parking Space Detection and Management System as part of an online internship, focusing on AI-driven solutions for real-time parking monitoring.
- Python Programming - Kaggle Certification
- Diploma in Artificial Intelligence - IIT Bhubaneswar

TECHNICAL SKILLS

- Programming Languages – Python,
- Web Development – Flask, React.js(basic), JavaScript(basic), HTML (basic), CSS(basic)
- Machine Learning & Deep Learning Frameworks & Libraries: Flask, OpenCV, TensorFlow Lite, YOLOv5, Scikitlearn

LANGUAGES

English (Fluent)

Malayalam (Native)

Tamil(intermediate)

REFERENCES

Ajay Japamani – Placement Officer Lead

College of Management

Email: ajay@lead.ac.in | Phone: +91 9809983878

Arjun Kollath– Mentor and Assistant Professor Lead

College of Management

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DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.