

HASSAN HUDA

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OBJECTIVE

I want to use my machine learning skills in a company that leads in AI-powered analytics and decision making. 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

AI Resume Reviewer & Job Matcher

- Built an AI-powered web app that analyzes resumes and job descriptions using NLP and semantic similarity scoring.
- Integrated Sentence Transformers, spaCy, and scikit-learn for skill gap detection, ATS optimization, and personalized feedback.
- Developed with Flask backend and Bootstrap dashboard, featuring real-time insights, visual analytics, and PDF export.

AI-powered Journalism (RAG)

- Created a Flask-based web app that automates news scraping, summarization, and Q&A from online news sources.
- Integrated newspaper3k and feedparser for article extraction, and used LLaMA 3 for summarization and conversational interaction, enabling users to chat directly with summarized news content.

NexusAI: AI-powered Web Searching System

- Created a web-powered chatbot using a RAG workflow that combines real-time web scraping and LLM-based response generation.
- Developed a Flask-based backend to scrape, process, and generate accurate answers using Hugging Face's LLaMA 3 model and ChromaDB for caching

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.

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
- Artificial Intelligence – Completed a certification in Artificial Intelligence from Acura Solutions, gaining in-depth knowledge and practical skills in AI concepts and applications.

Technical skill

- 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, YOLOv8, Scikitlearn , Ultralytics, Chroma DB, Sentence-Transformers ,
- Automation & Workflow Tools: n8n, Zapier

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.