T Harish Raj

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Professional Summary

Passionate and emerging engineering student with a strong foundation in computer science, specializing in AI and Data Science. Enthusiastic coder with excellent problem-solving abilities and a keen interest in leveraging technology to create innovative solutions. Thrives in collaborative environments and embraces challenges as opportunities for growth.

Education

B.Tech. in Computer Science Engineering (AI & Data Science)
2022 -- Present
SASTRA Deemed to be University, Thanjavur, Tamil Nadu
CGPA – 8.12

Higher Secondary (Grade 12), CBSE
2021 -- 2022
Mahatma Montessori School, Madurai, Tamil Nadu
Scored 91.4%

Secondary (Grade 10), ICSE
2019 -- 2020
Lakshmi School, Madurai, Tamil Nadu
Scored 90.7%

Projects

Institution Website Development Using Django

Developed a comprehensive module for the institution's library management system to analyze student data, improving data accuracy by 30% and increasing system efficiency by 25%.

Fake News Detection using Deep Learning Models

Developed an automated fake news detection system using a hybrid deep learning model combining CNN and Bidirectional LSTM, achieving up to 99.95% accuracy across benchmark datasets.

AI-Powered Resume Screening Tool

Developed an intelligent system that parses PDF resumes and ranks them based on job description relevance using TF-IDF vectorization and cosine similarity; deployed a Streamlit web app to enable real-time resume uploading and scoring**.**

Retail Web Application

Developed a web application enabling retail customers to make purchases with an integrated chatbot for personalized suggestions. Utilized PyTorch to create and train the chatbot for user preference-based recommendations.

Skills

Programming Languages: Python, Java, C++
Technologies & Frameworks: Django, PyTorch, MySQL

Areas of Interest: Problem Solving, Data Science, Machine Learning, Cloud Computing, Big Data and Analytics

Languages

Tamil: Full Professional Proficiency
English: Full Professional Proficiency
Hindi: Professional Working Proficiency

Certifications

Programming in Python
Comprehensive certification covering various Python applications

Programming in Java
Certification including AWT and Swing for GUI development

Problem Solving and Programming
Coursera Certificate focusing on problem complexity understanding and optimization

Web Development
Coursera Certificate covering comprehensive web development using various tech stacks