MAMILLAPALLI UDAY KUMAR

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Computer Science undergraduate with specialization in AI/ML with applied knowledge of Data Structures and Algorithms. Hands-on experience in full-stack development and ML/NLP using Java, Python, React and modern frameworks to build scalable, user-centric solutions.

EDUCATION

MLR Institute of Technology	2022 – Pursuing
Bachelor of Technology in CSE-AIML (CGPA: 8.70)	*Hyderabad, India*
RNR Junior College	2020 – 2022
Board of Intermediate Education Andhra Pradesh (Percentage: 96.5%)	*Andhra Pradesh, India*
De Mont Fort English Medium High School	2019 – 2020
Board of Secondary Education Andhra Pradesh (CGPA: 10)	*Andhra Pradesh, India*

PROJECTS

JobMatch AI: RAG + LLM Powered Resume Scorer | *Python, Flask, NLP, OpenAI API*
- Built an AI-powered tool that ranks resumes against job descriptions using NLP techniques like TF-IDF and Cosine Similarity.
- Integrated Retrieval-Augmented Generation (RAG) with OpenAI API to generate personalized feedback and improvement suggestions.

IIT Seat Allotment Predictor | *Python, Streamlit, Scikit-learn, Pandas, Plotly*
- Developed an ML-based web app using Random Forest to predict IIT seat allotments based on JEE rank, preferences.
- Implemented dynamic filters and interactive data visualization using Plotly.
- Recognized as Runner-Up at ZENITH'24 Hackathon.

College Explorer – College Info Web App | *HTML, CSS, JavaScript, AOS Animations*
- Designed a responsive college search app with filters, rating-based sorting, and animated UI for better user experience.
- Added detailed college info cards and scroll-triggered animations to enhance engagement.

SKILLS

Programming & Tools: Java, Python, Data Structures and Algorithms, VS Code, Git
Web & Databases: HTML, CSS, JavaScript, React, MySQL, Firebase
AI/ML Frameworks & Libraries: Scikit-learn, Pandas, TensorFlow, OpenAI API
Soft Skills: Problem-Solving, Team Collaboration, Communication, Adaptability

WORK EXPERIENCE

Web Development Intern	Apr. 2025 – May 2025
ApexPlanet Software Pvt. Ltd.	*Remote (India)*

- Completed a virtual internship on HTML, CSS, and JavaScript, delivering projects via GitHub and LinkedIn.
- Developed skills in responsive design and front-end development through task-based assignments.

ACHIEVEMENTS

Hackathon Runner-Up	2024
ZENITH'24 Hackathon, MLR Institute of Technology	*Hyderabad, India*

- Recognized for developing the IIT Seat Allotment Predictor using ML and visualization tools.

CERTIFICATIONS

- Achieved certification in "Data Structures and Algorithms in Java" from NPTEL.
- Earned "Smart Coder badge" in Data Structures and Algorithms by Smart Interviews.
- Certified in "Web Development" through Internshala Training.
- Certified in "Machine Learning with Python" and "Python 101 for Data Science" by IBM Cognitive Class.
- Participated in Summer School on "Generative AI and LLMs" by CBIT & IEEE Hyderabad.
- Completed "Python Essentials" and "Data Analytics" courses from Cisco Networking Academy.
- Accomplished "Java Full Stack Development" training via EduSkills.