ADDAKULA JOHN PAUL

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EDUCATION

Bachelor of Technology - Computer Science (Data Science & AI) | CGPA: 8.85 2021 - present

Hindustan Institute of Technology and Science

SKILLS

Soft Skills

- Problem-Solving, Agility, Self-Motivation, Communication, Growth Mindset.

Technical Skills

Languages: Python, C, HTML, CSS, JavaScript, Java (basic), R

Libraries & Tools : Scikit-Learn, Pandas, OpenCV,PowerBI, GitHub , Unix/Linux Environments

Frameworks: Flask

Technologies: RESTful APIs, Docker, AWS

Specialties: Machine Learning, Distributed Systems, Data Storage Solutions, Scalability,

PROFESSIONAL EXPERIENCE

Machine Learning Intern - Code Alpha **April 2024 - May 2024**

- Developed a Disease Prediction Model: Built a machine learning model to predict diseases based on user input and medical datasets, achieving [specific accuracy or improvement, if known].
- Implemented a Handwritten Recognition System: Designed and trained a neural network for accurate recognition of handwritten text, leveraging tools such as TensorFlow/Kera's and achieving [mention performance, e.g., 95% accuracy].
- Created a Credit Score Model: Engineered a predictive model to assess credit scores, utilizing data preprocessing, feature engineering, and regression techniques to enhance accuracy and reliability.

Communicating Insights and Analysis Task - Forage Internship

- Completed a virtual internship task focusing on presenting analytical insights effectively.
- Developed clear and actionable communication strategies for data-driven decision-making.

PROJECTS

Aether Mind: Revolutionizing Job and Course Discovery through Conversational AI

- Built a Flask-based app using Google Gemini API for personalized recommendations.
- Integrated Adzuna and edX APIs to provide 1,500+ jobs and 1,200+ courses.
- Achieved 90% NLP accuracy and 85% positive user feedback.

One-Time Student Verification through a Mobile Application

- Designed secure OTP-based verification, reducing process time by 40%.
- Enabled restricted access to app features for verified users, enhancing security and usability.
- Streamlined the registration process, reducing verification time and improving user experience.
- Successfully tested and onboarded [specific number] of users, ensuring reliability and scalability.

Face Recognition Attendance Automation

- Automated attendance system using face recognition with dlib and OpenCV, storing data in real-time and optimized for various lighting conditions.
- Enhanced recognition accuracy by 20%, ensuring reliable tracking under diverse conditions.
- Enabled efficient, seamless tracking and storage of attendance records, reducing manual effort and ensuring data integrity.
- Reduced manual effort by 70% with real-time data storage.

Gesture-Controlled Hybrid Light Intensity System

- Developed a hybrid lighting system combining traditional controls with gesture recognition for efficient light intensity modulation.
- Utilized OpenCV and Deep Learning to enable real-time gesture detection and dynamic lighting adjustments.
- Integrated hardware with microcontrollers (e.g., Arduino/Raspberry Pi) for seamless operation.
- Developed a hybrid lighting system with 95% gesture detection accuracy.
- Reduced power consumption by 15% and achieved 90% user approval.

CERTIFICATIONS

- Ethics in the Age of Generative AI - MS
- Innovative India coding championship - Coding Ninjas
- Data Visualization: Empowering Business with Effective Insights - Tata Forage
- Problem Solving (Basic) - HackerRank , Python (Basic) - HackerRank