U Adharsh

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SUMMARY

Results-driven Computer Science Engineer with hands-on experience in full-stack development and artificial intelligence applications. Quick learner with demonstrated ability to master new technologies and frameworks, as evidenced by successful project implementations in AI, mobile development, and web applications. Strong track record of leadership in academic and community initiatives, combining technical expertise with excellent team management skills. Particularly skilled in developing innovative solutions using Python, Flutter, and machine learning technologies.

TECHNICAL SKILLS

Programming Languages: Python, C, SQL, MATLAB

Frameworks & Platforms: TensorFlow, PyTorch, Keras,Python Django, Flutter

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, Git, Mediapipe

PROJECTS

Liver Disease Detection   Dec 2024 – Present
Data Analysis Project   *Python, Pandas, Sklearn ,numpy*
- Engineered a machine learning model using Python, scikit-learn, and pandas for liver disease prediction
- Implemented comprehensive data preprocessing pipeline including missing value handling and feature standardization
- Created visualization tools using Matplotlib and Seaborn for model performance analysis
- Designed and implemented a real-time prediction system for new patient data analysis

Natyashala: AI Dance-Form Correction App   Jul 2023 – Jun 2024
Natural Language Processing   *Python, Flutter, MediaPipe, Rive, Hugging Face*
- Developed a mobile app to enable seamless communication between deaf and hearing communities
- Implemented real-time sign language-to-voice and voice-to-sign language conversion
- Utilized MediaPipe for hand and body tracking and TensorFlow Lite for machine learning models

EXPERIENCE

Software Development Intern   Infocylanz, Info Park Kochi

- Built and deployed a student registration website serving 500+ users, achieving 95% reduction in manual registration time
- Engineered robust database architecture supporting 1000+ student records with 99.9% uptime using MongoDB
- Implemented secure user authentication system reducing unauthorized access attempts by 100%
- Optimized page load time by 60% through efficient code structuring and database querying
- Completed the entire project development cycle within 5 days, delivering ahead of schedule

IoT Development Intern   Techmaghi, Kerala Startup Mission

- Created 5 innovative Arduino-based projects with 100% functionality rate
- Reduced project setup time by 40% through creation of reusable code modules for LED controls and display systems
- Established comprehensive project documentation reducing future development time by 50%
- Designed and implemented 3 different sensor integration systems with 98% accuracy rate

Education

APJ Abdul Kalam Technological University Alappuzha, Kerala
Bachelor of Technology in Computer Science and Engineering *Nov 2020 – Sep 2024*

Kendriya Vidyalaya No. 1 - CBSE Kochi, Kerala
Class 12 - Science *April 2019 – March 2020*

Achievements

- Secured 317 rank in GATE 2024 examination

- Regional Coordinator for NSS Rudhirasena blood donation cell (Alappuzha, Idukki, Kottayam Region)

- Led Alumni cell initiatives and organized skill development sessions

- Coordinated technical orientation classes for Python basics and CSI events

Additional Skills

Languages: English, Malayalam, Hindi

Soft Skills: Leadership, Team Management, Interpersonal Communication, Adaptability