



U Adharsh

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SUMMARY

I am a Computer Science Engineer dedicated to professional growth and expanding my technical expertise. With hands-on experience in full-stack development and artificial intelligence applications, I thrive on continuous learning and adapting to emerging technologies. My ability to quickly master new frameworks is demonstrated through successful project implementations in AI, mobile development, and web applications. Additionally, I have actively participated in hackathons, showcasing my commitment to innovation and teamwork. I aim to contribute to organizational success while furthering my skills in a dynamic environment.

TECHNICAL SKILLS

Programming Languages: Python, C, SQL, HTML

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
Bachelor of Technology in Computer Science and Engineering
Kendriya Vidyalaya No. 1 - CBSE
Class 12 - Science

Alappuzha, Kerala
Nov 2020 – Sep 2024
Kochi, Kerala
April 2019 – March 2020

ACHIEVEMENTS

- Secured 317 rank in GATE 2024 examination
- Participated in Code Cubicle 2.0 Hackathon, developing innovative software solutions
- Selected for HackCEC 2023 Hackathon as part of team CoderSpace, demonstrating problem-solving skill
- 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