DEEPAK AV

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Mannur, Palakkad(dist) , Kerala, India

OBJECTIVE

As a dedicated and ambitious Computer Science Engineering graduate, I am seeking opportunities to leverage my technical skills, innovative mindset, and academic foundation in a dynamic and challenging environment.. Skilled in collaborative teamwork, with a strong capacity for learning and adapting in dynamic environments.

TECHNICAL SKILLS

Web development

Languages: Java | Python | HTML | CSS | JS | Mysql

Platforms: visual studio | android studio | pycharm | xampp | eclips

SOFT SKILLS

- Communication
- Technical thinking
- Creative thinking
- Program coordination
- Project management
- Problem solving

ACADEMIC QUALIFICATIONS

B.Tech Computer Science & Engg — **2020 - 2024**
APJ Abdul Kalam Technological University
MEA Engineering College ,Perinthalmanna,Malappuram (dist) — CGPA 7.01

Higher Secondary Education (Science) — **2018- 2020**
Kerala State Higher Education
BHSS mavandiyur,valanchery,Malappuram (dist) — 79.16%

PARTICIPATIONS

K DISC , YIP 5.0

Participated as an intern on Departmental workshop conducted by Kerala Startup Mission(YIP) (21st and22nd Feb 2023).

Industrial Visit

Visited the company PIXSTORY INTERFACE NETWORK & IT (P) LTD (19 May 2023).

Workshops

Unity game development workshop conducted by IEEE SIMAT

Robotics workshop conducted by IIT Palakkad

Hackathons

- Participation in Future Malappuram Hackathon conducted by Malayala Manorama and Zil Money Corporation (01 & 02 Nov 2023).
- Participation in Techfest and Hackathon organized by APJ Abdul Kalam Technological university hosted by Ahalia School of Engineering (16 to 18 Feb 2024)

PROJECTS

Smart walking stick for visually impaired:
Developed a smart walking stick prototype aimed at assisting visually impaired individuals in navigating their surroundings safely. The project utilized an ESP8266 microcontroller along with ultrasonic sensors to detect obstacles in the user's path. Vibrating motors integrated into the stick provided haptic feedback to alert the user of nearby obstacles, enhancing their situational awareness and mobility.
Technology used : Python programming

Dental structure scanner:
Designed and implemented a dental structure scanner utilizing LiDAR (Light Detection and Ranging) sensor technology integrated with a two-axis rotation frame. The system, controlled by an Arduino Leonardo microcontroller, captured detailed 3D scans of dental structures, providing accurate dental impressions crucial for dentistry applications. Developed C programs to interface with the LiDAR sensor and control the rotation frame, ensuring precise scanning and data acquisition.
Technologies used : Lidar ,C,Python ,Matlab

PUBLICATIONS

- Object detection algorithm evaluation in the context of indian transportation
- Affordable navigation aid: Smart walking stick for visually impaired

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CERTIFICATIONS

- Google Data Analytics Professional Certificate(Coursera)
- Web development certificate (udemy)
- Flutter App development certificate(udemy)

PERSONAL DETAILS

Date of Birth : 18 November 2002

Nationality : Indian

Languages known : English | Hindi | Malayalam | Tamil

DECLARATION

All the above information that i have provided is true to my knowledge and will be sincere in my pursuits.