RAJA MUTHAIAH C

Objective

Highly motivated B.E. Electronics and Communication Engineering student, thriving in dynamic and collaborative environments. Committed to enhancing theoretical knowledge and practical experience to contribute to organizational success.

Contact

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- 🔗 github.com/raja-muthaiah
- Ⓗ rajamuthaiah

Technical Skills

- C
- C++
- Python
- HTML , CSS
- SQL
- Cisco Packet Tracer

Areas Of Interest

- IoT
- Signal Processing

Education

B.E Electronics and Communication Engineering   2021 - Present

- Velammal College of Engineering and Technology, Madurai
- CGPA-8.37

HIGHER SECONDARY   2020 - 2021

- Velammal Vidyalaya Viraganoor, Madurai
- Percentage- 89%

SECONDARY   2018 - 2019

- Velammal Vidyalaya Viraganoor, Madurai
- Percentage- 94.6%

Projects

Neonatal non-invasive Jaundice detection (On-Going)

- Engaged in an ongoing project focused on the development of a non-invasive device for jaundice detection using optical spectroscopy

Electricity bill prediction

- Developed a predictive model for electricity price prediction.

Touch Capacitive Piano

- Developed a touch-responsive piano system utilizing Arduino Uno to generate varied frequencies of sound in response to touch inputs

Domestic Security System

- Created a home security system that sends text and call alerts upon detecting intruders, utilizing a GSM module interfaced with Arduino Uno

Internship Experience

Research Intern

Avian Aerospace Pvt Ltd, Bangalore
July|2023

- Feature Detection And Development of 2D Orthomosaic Maps, 3D Photogammetry And Autonomous Exploration of Drones
- Introduction to UAV, Flight Controller Calibration, Introduction to 3D Printing Technology

Certifications

- Successfully cleared the assessment for SQL(Advanced) - HackerRank Certificate June|2024
- Elite Certification in Signal Processing and its Applications - NPTEL January-April|2024
- Elite Certification in Real-Time Digital Signal Processing - NPTEL July-October|2023
- Google Certification on Data Analytics October|2023

Soft skills

- Adaptive
- Collaborative
- Enduring
- Effective Communicator

Hobbies

- Story writing
- Walking

Date: 25/06/2024

Place: Madurai

Papers Presented

- Presented a paper titled "3D Hologram with Speech Recognition" at MEPCO Schlenk Engineering College February|2023
- Presented a paper titled "Automated Palsy Machine" at Velammal College of Engineering and Technology September|2023

Workshops

- Attended a National level seminar on "Recent Trends in Communication Technologies :Beyond 5G" at Velammal College of Engineering and Technology September|2023
- Attended a workshop on "Pixels to Predictions(Image Processing and Deep Learning)" conducted at NIT, Trichy February|2023

Co Curricular

- Participated in the Video Project Contest on the title "AI for Sanitation Management in Rural Development" conducted by Madurai Productivity Council, Madurai February|2024
- Participated in the events of GYAN MITRA '23 ("Circuit Vista" and "Circuitrix") conducted by MEPCO Schlenk Engineering College February|2023
- Participated in the events "Let's Spice" and "Bid Buy Build" held at Thiagarajar College of Engineering May|2022

Personal details

- Father's Name: Chandra Sehar P
- DOB: 09-08-2004

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