SYEDA MUBASHSHIRA Y

Electronics and Instrumentation student

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CAREER OBJECTIVE

To leverage my expertise in instrumentation and embedded systems to contribute to innovative technology solutions and grow professionally in a dynamic environment.

EDUCATION

Velammal Engineering College
Bachelor's Degree in Electronics and Instrumentation (hons. in automation) - 2022-till date(pursuing 3rd year)
CGPA-9.08(upto 4th semester)

CSI Ewart Matriculation Higher Secondary School
HSLC - 2022
Percentage-91.2%
SSLC - 2020
Percentage-81.8%

SUBJECT OF INTEREST

- Robotics (Embedded Systems)
- Transducers Engineering
- Electric Circuits
- Programming

TECHNICAL SKILLS

- Programming Languages- C(Intermediate), Python(Intermediate),
- Web Development(HTML, CSS)
- Embedded Systems- Arduino and Raspberry Pi(basics)

PROJECTS

VIRTUAL TELEPRESENCE ROBOT USING RASPBERRY PI

Virtual Telepresence Robot enables remote interaction with physical spaces through real-time navigation, video streaming, and communication, powered by Raspberry Pi.

Tools used :Raspberry Pi 3,Arduino, Rpi camera module

READER'S CORNER- A SURVEY FORM

Interactive HTML5/CSS3 application.
Collects reader preferences and opinions with responsive design.
Ensures accurate data with input validation.

Tools used :HTML5/CSS3

ACHIEVEMENTS

- Secured a 1st prize in Mime competition held at Velammal engineering college- Sept 2023
- Secured a 2nd prize in International Olympiad of English language by Silverzone foundation-(2014-2015)
- Secured a 3rd prize in Interclass science competition conducted in CSI Ewart Matriculation Higher Secondary School-2014

EXPERIENCE

DLK CAREER DEVELOPMENT - Jun 24
Embedded systems intern

- Gained hands-on-experience projects on Arduino, Programming and various sensors with the help of Arduino IDE and Proteus 8 Professional software during this 5-day training.

TOSHNIWAL HYVAC PVT. LTD. -Nov 24
INTERNSHIP

- Practical skills in flow meter design, operation, calibration, and manufacturing processes were developed during the internship. A project on closed-loop stepper motor control with real-time RPM and pulse display was also implemented.

CO-CURRICULAR

Participated in:
- **CODEATHON 2K23** preliminary round (virtual)
- Velammal **Hackathon 1.0** (Velammal Engineering College)
- Participated at **paper presentation** event at SIMATS college
- Participated at a **project expo** at Sri Sairam Institute of technology

Completed:
- 15-day **virtual internship** on "**ROBOTICS**" by KODACY

Industrial Visit:
- Visited **Western Thomson Pte,** a leading manufacturer of Temperature control and Precision engineered parts on 23-09-2024

Workshops Attended:(Virtual)
- **AI-powered IoT**-NoviTech R&D(2 hours)
- **Artificial Intelligence**-NoviTech R&D(2 hours)
- **Embedded Systems**-Ezone Electronics
- **VLSI Webinar**-Kalki Tech

CERTIFICATIONS

NPTEL Certificate in Problem Solving through Programming in C(Jan-Apr 2023)
Kaggle Certification in Python
UDEMY Certification in
- Computer Vision Fundamentals,
- C++ coding,
- Raspberry Pi for Beginners,
- JavaScript
- Data science and Machine learning

GUVI Certification in
- SAWIT.AI Learnathon
- Python
- Generative AI

freeCodeCamp Certification in
- Responsive Web Design