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PROFILE

• An emerging engineer with specialization in Computer and Communication
• Expertise in C++, Java, Python, DBMS along with IoT, Data analytics and web development
• Good interpersonal skills with an ability to solve complex problems in teams
• Analytical/Creative thinking and excellent troubleshooting skills with knowledge of software development life cycle
• Learn, Contribute and grow with the organisation while enhancing domain experience

EDUCATION

• **B.Tech.** in **Computer and Communication Eng.**
CGPA – **7.19** / 10 (current) 2020 – (2024)
Amrita School of Engineering,
Amrita Vishwa Vidyapeetham, Coimbatore, TN

• **HSC** (11 – 12th Std.) 2018 – 2020
Percentage – **82%**
Mahatma Higher Secondary School (Matric), Madurai, TN
Subject: Maths, Physics, Chemistry, English
Computer Science

• **SSLC** (10th Std.)
2018
Percentage – **86%**
Mahatma Higher Secondary School (Matric), Madurai, TN

TECHNICAL SKILLS

Languages:
C++ • Java • Python • C • MATLAB • Embedded C
Web Development:
HTML/CSS/JavaScript • Flask • Bootstrap • Dart • Node • ExpressJS
DBMS:
MySQL • Oracle • MongoDB
OS:
Ubuntu • Raspbian (Linux) • ARM (x32/x64)
Hardware:
LP2148 • MSP432 • ESP32 • Arduino UNO • Raspberry pi
Office ware:
MS Excel • MS Word • MS PowerPoint
IDE / Tools:
VS Code • Pycharm • Spyder • Android Studio • KEIL 4 • Proteus 8 • Cisco Packet Tracer • WireShark
DevOps:
Git • GitHub
Libraries:
OpenCV • TFLite • Flutter • Socket.io

LANGUAGES

- English – Full Professional proficiency
- Tamil – Native proficiency

TECHNICAL INTERESTS

- Internet of Things
- OOPS & DSA
- Big Data Analytics
- Machine Learning & Deep Learning
- Cyber Security
- Web development
- Computer Networks
- Embedded Computing
- Image Processing
- Signal Processing
- Natural Language Processing
- Cloud Computing
- Cyber Physical Systems
- Operating System
- Project Management

ACHIEVEMENTS

• Qualified – Regional Round 2023
Solving for India Hackathon,
Amrita Vishwa Vidyapeetham, Coimbatore
Activity: Created a habit tracker app within 30 days

EXTRA CURRICULAR ACTIVITIES

• Swimming
• Playing Violin

CERTIFICATIONS/UPSKILLING

• **MATLAB Onramp (Online)** 2023
Organizer: **MathWorks**
Credentials: MatlabAcademy

PROJECTS

• **Shortest Path Finder using BFS algorithm**
Mar 2023 – Apr 2023 **(2 months)**

Aim: Develop a path finder using Breadth-First Search (BFS) algorithm on a matrix maze

Tools: Python, Curses

- **Multiplayer Cross platform Tic-Tac-Toe**

  Dec 2023 – Jan 2023 **(2 months)**

  Aim: Develop a multiplayer cross-platform Tic-Tac-Toe game using Node.js for the server-side and Flutter for the frontend

  Tools: Flutter, MongoDB, Node, Express, Socket.io

- **Pothole Alert System**

  Mar 2023 – Jun 2023 **(5 months)**

  Aim: Find pothole coordinates using pilot vehicle and when user is near pothole, alert using app

  Tools: Python, Raspberry Pi, GPS Module, Android Studio, ML classifiers

- **Habit Tracker App**

  Mar 2023 – Apr 2023 **(1 month)**

  Aim: A app to help people achieve daily work and fitness goals

  Tools: Flutter, Dart, Firebase, Android Studio

  Event: **Solving for India Hackathon 2023 GeeksforGeeks** (Theme: Health)

- **Document Management System**

  Sep 2022 – Jan 2023 **(5 months)**

  Aim: A website for document approval in government offices

  Tools: Flask, SQL Alchemy, Python

  Event: **Smart India Hackathon 2022**

- **ATM Threat Alert System**

  Sep 2022 – Dec 2022 **(4 months)**

  Aim: Alert police and switch off ATM upon finding the emotion “fear” on user face

  Tools: Python, Raspberry pi, OpenCV, TFLite

- **House Price Prediction**

  Mar 2022 – Jul 2022 **(5 months)**

  Aim: Predict house price based on features of house and locality

  Tools: Python, ML classifiers (Regression)

- **Interfacing GSM module with LPC2148**

  Sep 2021 – Dec 2021 **(4 months)**

  Aim: Created a system to interface GSM module with LPC2148

  Tools: LPC2148, KEIL, Proteus

- **Speech to Text conversion**

  Sep 2021 – Dec 2021 **(4 months)**

  Aim: Design a system to convert speech input into text output

  Tools: Python