

B R Aravind Ragav

+91-9884776252
thearavindravee@gmail.com
[aravind-ragav](#)
[AravindRagav1010](#)

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
- Creative thinking and good 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 – 7.69 / 10 (current)

2020 – (2024)

Amrita School of Engineering,
Amrita Vishwa Vidyapeetham, Coimbatore, TN

- **AISSE (11 – 12th Std.)**

2018 – 2020

Mark – 462 / 500 (92.4%)

Chinmaya Vidyalaya School(CBSE), Chennai
Subject: Maths, Physics, Chemistry, English
Computer Science

- **AISSE (10th Std.)**

2018

Mark – 480 / 500 (90%)

Chinmaya Vidyalaya School(CBSE), Chennai

TECHNICAL SKILLS

Languages:

C++ • Java • Python • C • MATLAB •
Embedded C

DBMS:

MySQL • Oracle

OS:

Ubuntu • Raspbian (Linux) • ARM
(x32/x64)

Hardware:

LP2148 • MSP432 • ESP32 •
Arduino UNO • Raspberry pi

Office ware:

MS Excel • MS Word • MS
PowerPoint • Canva

IDE / Tools:

VS Code • Pycharm • Spyder •
Android Studio • KEIL 4 • Proteus 8 • Cisco
Packet Tracer • WireShark • Google Cloud
(Firebase) • Jupyter Labs • Tableau

DevOps:

Git • GitHub

Libraries:

OpenCV • TFLite • Flutter • Regex

LANGUAGES

- English – Full Professional proficiency
- Tamil, Telugu – Native proficiency
- German – Elementary proficiency

TECHNICAL INTERESTS

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

ACHIEVEMENTS

- **ECE Department Head**

Apr 2023

Anokha Tech Fest, Amrita Vishwa
Vidyapeetham

- **Head – Office Bearer**

Kaleidoscope Wing, Srishti Literary Club

- **Event Management Coordinator**

Various Cultural Fests

CERTIFICATIONS/UPSKILLING

- **MATLAB Onramp (Online)**

2023

Organizer: MathWorks

Credentials: [MatlabAcademy](#)

• A2 Deutsch Course Completion

2022

Organizer: Goethe-Institute, Chennai

Credentials: [certificate](#)

• Intermediate Machine Learning

2021

Organizer: Kaggle (Online)

Credentials: [kaggle.com/certificate](https://www.kaggle.com/certificate)

INTERNSHIPS

• Geo AI intern

Jul 2023 - Present

Organization: LTI MindTree

Skills:, Deep Learning, Computer Vision, GIS

EXTRA CURRICULAR ACTIVITIES

• Carrom Player

PROJECTS

• Incentive based Smart Garbage Disposal system

Mar 2023 - Jun 2023 (5 months)

Aim: Design a system to classify the waste and are segregated using sensors and actuators

Tools: Python, Raspberry Pi, Neural network model, Firebase, ML classifiers

• Handwritten text recognition

Mar 2023 - Dec 2023 (4 months)

Aim: Recognize texts from handwritten text

Tools: Python, CNN, RNN

• Live Sign Gesture Recognition System

Sep 2022 - Dec 2022 (4 months)

Aim: Recognize sign gesture made by users

Tools: Python, Raspberry pi, OpenCV, TFLite

• Home Automation System

Sep 2022 - Jan 2023 (5 months)

Aim: Design a wireless sensor network to prevent domestic disasters

Tools: Cisco Packet Tracer

• Player Performance Analyser

Mar 2022 - Jul 2022 (5 months)

Aim: Reduce the time taken for selecting a player by analysing cost and skill

Tools: ML classifier, XGBoost

• OCR with translation and speech conversion

Sep 2021 - Dec 2021 (4 months)

Aim: Recognize texts from image, translate to the desired language and convert to speech

Tools: Python, Spyder IDE

• Movie Search Portal

Oct 2017 - Feb 2018 (4 months)

Aim: Filter the unwanted noise from ECG signal using FIR filter

Tools: Python