

Abhishek Madhu Vidya

✉ abhishekmv2004@gmail.com ☎ +91 6366252979 📍 Bengaluru, Karnataka 📄 Portfolio
🐙 GitHub 🔗 LinkedIn

PROFILE

An emerging enthusiastic Electronics and Computer Engineer, seeking an entry level opportunity to fully utilise existing technical skills in a challenging environment and to be a part of a progressive organisation that gives scope to enhance knowledge and also to contribute with other peers, resulting in professional growth as well as help the organisation grow.

EDUCATION

Amrita Vishwa Vidyapeetham, Bengaluru

B. Tech. 📄

CGPA - 7.23 (Upto 6th Semester)

- Senior Executive at ECCF Club Amrita
- Volunteered in hosting Electronica hackathon in campus
- 2nd Prize in Inter-Department Quiz Competition

06/2021 – 07/2025

Bengaluru, India

Seshadripuram Independent Pre-University College, Kengeri

Higher Secondary Education - PCMC 📄

Percentage - 83.83

07/2019 – 02/2021

Bengaluru, India

The Indian School, Bahrain

Secondary Education 📄

Percentage - 81.8

03/2018 – 04/2019

Isa Town, Bahrain

WORK EXPERIENCE

Atyaf eSolutions W. L. L.

Software Developer - Intern 📄

- Tools/ Techniques used: HTML, CSS, JavaScript, Bootstrap
- Outcome: Demonstrated versatility by actively participating in front-end, and full-stack development phases, contributing to increase in overall project efficiency and completion ahead of schedule.

06/2024 – 07/2024

Muharraq, Bahrain

PROJECTS

AI-Driven Attendance Tracking with Haar Cascade and ResNet 📄

Image Processing, Face Recognition, Python

- Engineered a Python-based attendance system incorporating advanced facial recognition algorithms, ensuring precise identification; enhanced reliability for various applications and decreased human error in attendance logging.

03/2024 – 05/2024

Indian English Speech Accent Recognition System 📄

Python, Deep Learning

- Designed a regional accent detection system using Indic TTS dataset, MFCC features, and models like SVM, Random Forest, CNN, and LSTM.
- Achieved high performance across 16 accents with stratified 10-fold cross-validation.

07/2024 – 11/2024

AgriTalk: Revolutionizing Farming with a Multilingual Chatbot 📄

Speech Processing, Python, ChatBot

- Developed a multilingual chatbot for agricultural queries using NLP, deep learning, IndicTrans2 for translation, and text-to-speech, supporting multiple Indian languages to enhance accessibility and efficiency.

09/2024 – 11/2024

Autism Prediction using Ensemble Stacking 📄

Python

- Combining multiple machine learning algorithms in an ensemble approach to predict autism spectrum disorder.

10/2023 – 12/2023

Arduino, IoT

- Developing a sophisticated system to quickly detect accidents and track vehicles in real-time for enhanced safety and security.

TECHINICAL SKILLS AND INTERESTS

Technical Skills

C, C++, HTML, CSS, JavaScript, Python (Basics)

Tools & Technologies Known/Used

AutoCad, Proteus, MATLAB, KEIL IDE, Linux, Multisim, Cisco Packet Tracer

SOFT SKILLS & INTERESTS

Soft Skills

Time management, Good communication, Team Work, Problem-Solving, Attention to Detail, Adaptability

Languages Known

English, Malayalam, Hindi, Tamil, Kannada

Hobbies

Reading, Trekking, Playing Badminton, Watching Tech Related News

PUBLICATIONS

AI-Driven Attendance Tracking with Haar Cascade and ResNet

28/11/2024

International Conference on Machine Learning and Data Engineering

Developed an automated attendance system using ResNet-50 for facial feature extraction and Haar Cascade for facial detection, achieving 91.6% accuracy in low lighting and occlusion conditions. Implemented an SQLite database for efficient attendance record storage.

COURSES

CCNA

present

Cisco Networking Academy

AWS Academy Cloud Foundations [58809]

present

Amazon Web Services

Certificate of Energy Literacy

02/2023 – 03/2023

Energy Swaraj Foundation