

Amal Menon

☎ +919048834000 | @ amalmenontk2003@gmail.com | 🔗 LinkedIn | 🌐 Website | 🐙 GitHub |

EDUCATION

Vellore Institute of Technology, Vellore
B.Tech. in Electrical and Electronics Engineering; GPA: 8.57

Tamil Nadu, India
Sep 2021 – Sep 2025

The Indian High School, Dubai
Class XII; Percentage: 95.4
Class X; **Percentage: 91.2**

Dubai, United Arab Emirates
Sep 2007 – Jun 2020

SKILLS

Coding languages: embedded C ,Java, Python(including DBMS, MLDeep Learning), JavaScript, MATLAB, HTML, CSS, ASM

Languages: English, Hindi, Malayalam, Tamil*, Arabic*

Softwares: MySQL, Git, Arduino, ThingSpeak, NI Multisim, LabView VI, Pspice, Keil, Power BI, PowerWorld

Soft skills: Communication, Teamwork, Adaptability and flexibility, Problem-Solving, Conflict resolution

EXPERIENCE

KPMG

Data Analytics and ML intern

Mumbai, India
Sep 2023 – Nov 2023

- Used Power BI for Structuring, Cleaning, and Visualising Client data and creating robust dashboards according to the client's specifications.
- Utilized various software including MySQL and PyCharm for processing, visualization, and machine learning for predictions. Also received exposure from working with a plethora of clientele including Banks, Shipping, etc.

EXTRA-CURRICULAR ACHIEVEMENTS

Technica: Participated and won the **2nd** prize of fifty thousand rupees in Technica, one of the biggest **Hackathons** in VIT conducted by the Indian Society for Technical Education. Created an ESG data analytics dashboard with ML powered analytics and predictions. (March 2024)

Electrohive: Conducted a 36-hour **make-a-thon** + workshop on Arduino and application of sensors with IEEE-CAS VIT. Helped track inventory for over a hundred participants. Managed the intake of students and ran point on the participants' issues. (May 2023)

Hacktoberfest: Helped as a maintainer in a worldwide **Hackathon** with Sigma XI VIT. Managed GitHub repositories for participants, and issued various problem statements in Python, Java, and C. (Oct 2022)

Rahat PD: Participated with Debate Society VIT, and finished top 50 in novice speakers. (August 2022)

Riviera Volunteered for The Malayalam literary association-VIT in the AIKYA cultural fest. Sourced costumes and other accessories for participants, helped manage the performance of the Kerala team and Volunteered for food and stalls, coordinated with multiple domains and helped in **management**.(Feb 2023)

PROJECTS

Disease detection using Computer Vision and Deep learning

- A Python project which implements a variety of image processing operations, TensorFlow to create a CNN-based image identifier trained to detect Leprosy skin lesions .(paper yet to be published.)

ECG and EEG signal processing using MATLAB

- A MATLAB project utilizing LP IIR Butterworth filter and bandpass filters for noise removal and digital filtration respectively, of ECG and EEG signals obtained and amplified using bio-amplifiers.

Pest detection for industries

- An embedded project that aims to detect pests using motion sensors and computer vision and deter them.(In progress)

HOBBIES

Cricket, Classical Music, Fitness, Eight-ball, Astronomy and Space exploration, Poetry, Close up magic