

Mohan V

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[mohan~v](#)
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PROFILE

- An emerging engineer with specialization in Computer and Communication, interested in taking up the position in of intern at company
- 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 – **7.29** / 10 (current) 2020 – (2024)
Amrita School of Engineering,
Amrita Vishwa Vidyapeetham, Coimbatore, TN
- **HSC** (11 – 12th Std.)
2018 – 2020
Mark - **475** / 600
Sri Vijay Vidyalaya School (Matric), Dharmapuri, TN
Subject: Maths, Physics, Chemistry, English
Computer Science
- **SSLC** (10th Std.)
2018
Mark - **480** / 500
Sri Vijay Vidyalaya School (Matric), Dharmapuri, TN

TECHNICAL SKILLS

Languages:

C++ • Java • Python • C • MATLAB •

Embedded C

Web Development:

HTML/CSS/JavaScript • Flask • Bootstrap •

Dart

DBMS:

MySQL • Oracle • SQL Alchemy

OS:

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

Hardware:

LP2148 • MSP432 • ESP32 • Arduino UNO •

Raspberry pi • Grove Pi Hat

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 • Regex

LANGUAGES

- English – Full Professional proficiency
- Tamil, Telugu – 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

- IoT Team Lead Mar 2022 - Present

Intel IoT Club, Amrita Vishwa Vidyapeetham

Activity: Conducted IoT workshop, seminar, webinar and competition

CERTIFICATIONS/UPSKILLING

- **PwC Analytics Launchpad Program**

Mar 2023 – Jul 2023 (**5 months**)

Modules: IT fundamentals, Data Engineering, RDBMS, Programming

fundamentals

- **Science and Religion**

Courseera (Online) (No expiry)

Credentials: [Mohan V](#)

• **Influencer Marketing Strategy**

Courseera (Online) (No expiry)

Credentials: [Mohan V](#)

• **Front end development libraries**

Dec

2021

JS algorithms and data structures

Jul 2021

Responsive web design

Mar 2021

Freecodecamp (Online) (No expiry)

Credentials: [Mohan V](#)

Workshop

• **Intel OneAPI workshop**

Jul 2023

Organizer: Intel

Context: Various Libraries of OneAPI
[OneDAL, OneDNN, XGBoost]

• **Intel Unnati Ignite Workshop**

Feb 2023

Organizer: Intel

Context: Smart Mobility, Web3 and Decentralised
Applications using Intel AI Analytical
Framework

• **Real-Time Signal Processing for IoT**

Sep

2022

Organizer: IIT, Palakkad

Context: Edge-based event monitoring
system using Arduino platform

PROJECTS

• **Phishing Website Detection**

June 2023 – July 2023 (1 month)

Aim: Detect whether a website is legitimate (or)
phishing using machine learning
techniques

Tools: Python, Flask, ML classifiers, NLP(Regex)

• **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)

• **Image Steganography**

Feb 2023 – Mar 2023 (1 month)

Aim: Encrypt an image inside another image

Tools: Python

• **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

• **Twitter Sentiment Analysis**

Mar 2022 – Jul 2022 (5 months)

Aim: Find hate speech in twitter using
classification techniques

Tools: Python, NLP(Regex), ML classifiers

• **Temperature controlled DC Fan**

Sep 2021 – Dec 2021 (4 months)

Aim: Control the speed of Cooling DC
fan based on temperature sensor

Tools: LPC2148, KEIL, Proteus

• **ECG Signal Noise Filter**

Sep 2021 – Dec 2021 (4 months)

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

Tools: Python