

## Hariviyaas B

- +91-8072954828
- [hariviyaasb18@gmail.com](mailto:hariviyaasb18@gmail.com)
- [hariviyaas-b-18](#)
- [Hariviyaas18](#)

### PROFILE

- An emerging engineer with specialization in Computer and Communication
- Expertise in C++, Java, Python, DBMS along with IoT 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 – **7.66** / 10 (current) 2020 – (2024)  
Amrita School of Engineering,  
Amrita Vishwa Vidyapeetham, Coimbatore, TN
- **AISSCE**(11 – 12<sup>th</sup> Std.) 2018 – 2020  
Mark - **387** / 500  
N.S.N Memorial School (CBSE), Chennai, TN  
Subject: Maths, Physics, Chemistry, Biology
- **AISSE** (10<sup>th</sup> Std.) 2018  
Mark - **471** / 500  
N.S.N Memorial School (CBSE), Chennai, TN

### TECHNICAL SKILLS

#### Languages:

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

#### Web Development:

HTML/CSS/JavaScript • Flask

#### DBMS:

MySQL • Oracle

#### OS:

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

#### Hardware:

LP2148 • MSP432 • ESP32 • Arduino UNO • Raspberry pi

#### Office ware:

MS Excel • MS Word • MS PowerPoint

#### IDE / Tools:

VS Code • Pycharm • Spyder • Arduino IDE • KEIL 4 • Proteus 8 • Cisco Packet Tracer • WireShark • Jupyter • Google Colab

#### DevOps:

Git • GitHub • Docker • Perforce • ERP • CRM

#### Libraries:

OpenCV • TFLite • Regex

#### API:

REST API

### LANGUAGES

- English – Full Professional proficiency
- Tamil – Native proficiency
- Hindi – Professional working proficiency
- German – Limited working proficiency

### TECHNICAL INTERESTS

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

### ACHIEVEMENTS

- **3<sup>rd</sup> prize** - Math Olympiad 2019  
Regional Math Olympiad(RMO) – Tamil Nadu
- **Cultural Secretary** 2019  
Cultural Secretary and Tech team on my school's 50<sup>th</sup> anniversary celebrations
- **Republic Day Parade** (Chennai) 2019  
Representative of Scouts and Guides Wing – Honouring the CM of Tamil Nadu
- **Electronic Keyboard - Grade 3** 2018  
Trinity College of London

### EXTRA CURRICULAR ACTIVITIES

- Sports – Swimming, Badminton, Basketball
- Stencil Art

## **CERTIFICATIONS/UPSKILLING**

---

### • **MATLAB Onramp (Online)**

2023

Organizer: **MathWorks**

Credentials: [MatlabAcademy](#)

## **PROJECTS**

---

### • **Plant disease detection using drone**

Mar 2023 – Jul 2023 **(5 months)**

Aim: Detect plant diseases using drone when flown above plantations

Tools: Python, Raspberry Pi, ML classifiers, OpenCV

### • **Text Summarization using Seq2Seq**

Mar 2023 – Jul 2023 **(5 months)**

Aim: Develop a text summarizer that is capable of

providing a concise and relevant summary of the given volumes of text

Tools: TF, RNN, Jupyter, NLP

### • **Universal Smart Security Framework**

Sep 2022 – Jan 2023 **(5 months)**

Aim: Create a universal smart security framework

for any kind of infrastructure like malls, hospitals, institutions, etc.,

Tools: Cisco Packer Tracer

### • **Gesture Recognition**

Sep 2022 – Jan 2023 **(5 months)**

Aim: Recognize gestures and display the gesture

name in the LCD module live

Tools: Python, Raspberry pi, OpenCV, DL model

### • **Automated Music Generation using LSTM**

Apr 2022 – Aug 2022 **(5 months)**

Aim: Understand patterns from MAESTRO dataset and generate pleasant music

Tools: Python, TF, DL model

### • **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

### • **Virtual Car Experience**

Mar 2021 – Jun 2021 **(5 months)**

Aim: Design an experience to simulate the logic

of an automobile environment

Tools: Flowgorithm, C++