Natesh kumaar V

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in natesh-kumaar-v

○ Natesh24

PROFILE

• An emerging engineer with specialization in Computer and Communication

• Expertise in C++, Java, Python, DBMS along with IoT and ML

• Good interpersonal skills with an ability to solve complex problems in teams

• Creative thinking and good debugging skills

• Learn, Contribute and grow with the organisation while enhancing domain experience

EDUCATION

• **B.Tech.** in **Computer and Communication Eng.**

CGPA – **7.68** / 10 (current)   2020 – (2024)

Amrita School of Engineering,

Amrita Vishwa Vidyapeetham, Coimbatore, TN

• **AISSCE** (11 – 12th Std.)   2018 – 2020

Mark - **407** / 500

The Pioneer School (CBSE), Nagercoil, TN

Subject: Maths, Physics, Chemistry, Biology

• **AISSE** (10th Std.)

2018

Mark - **410** / 500

The Pioneer School (CBSE), Nagercoil, TN

TECHNICAL SKILLS

Languages:

C++ • Java • Python • C • MATLAB

OS:

Raspbian (Linux) • ARM (x32/x64)

Hardware:

LP2148 • MSP432 • ESP32 • Arduino UNO • Raspberry pi

Office ware:

MS Excel • MS Word • MS PowerPoint

IDE / Tools:

VS Code • Pycharm • Spyder • KEIL 4 • Proteus 8 • Cisco Packet Tracer • WireShark

DevOps:

Git • GitHub

Libraries:

OpenCV • TFLite • AWS

LANGUAGES

• English   – Full Professional proficiency

• Tamil   – Native proficiency

TECHNICAL INTERESTS

• Internet of Things
• Machine Learning
• Computer Networks
• Embedded Computing
• Image Processing

ACHIEVEMENTS

• **Runner** (Intra-school badminton tournament)

Year: 2018

The Pioneer School (CBSE), Nagercoil, TN

CERTIFICATIONS/UPSKILLING

• **MATLAB Onramp (Online)**   2023

Organizer: **MathWorks**

Credentials: MatlabAcademy

EXTRA CURRICULAR ACTIVITIES

• Badminton
• Volleyball

HOBBIES

• Drawing
• Gardening
• Playing Violet

PROJECTS

• **Intrusion Detection System**

Mar 2023 – Jun 2023 **(4 months)**

Domain: IoT, Image processing, ML

Aim: Alert the houseowner via mail and telegram when intruder is identified by camera

Tools: Python, ML classifiers, Raspberry Pi

Role: Worked on image processing using CNN and sending pics to owner

• **Institutional chatbot**

Sep 2022 – Jan 2023 **(5 months)**

Domain: Web development

Aim: Create a chatbot for institutions

Tools: HTML, CSS, JS, AWS, Kommunicate.io, EC2

Role: Server side implementation and created intent file with predictable queries with answers

• **GPS with LPC2148**

Jun 2021 – Sep 2021 **(4 months)**

Domain: Embedded Systems

Aim: Interface GPS system with LPC2148

Tools: LPC2148, GPS, KEIL, Proteus

Role: Code for interfacing LPC2148