Ragul Krishnan G

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🔗 RagulKrish-G

PROFILE

• An emerging engineer with specialization in Computer and Communication

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

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

• Creative thinking and good troubleshooting skills

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

EDUCATION

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

CGPA – **6.07** / 10 (current)   2020 – (2024)

Amrita School of Engineering,

Amrita Vishwa Vidyapeetham, Coimbatore, TN

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

Percentage – **80%**

Nachiar Vidyalayam School(Matric), Pollachi

Subject: Maths, Physics, Chemistry,
        Computer Science

• **SSLC** (10th Std.)

2018

Percentage – **94%**

Nachiar Vidyalayam School(Matric), Pollachi

TECHNICAL SKILLS

Languages:
        C++ • Java • Python • C • MATLAB • Embedded C

Web Development:
        HTML/CCS/JavaScript

DBMS:
        MySQL • Oracle

OS:
        Raspbian (Linux) • ARM (x32/x64)

Hardware:
        LP2148 • MSP432 • ESP32 • Arduino UNO • Raspberry pi

Office ware:
        MS Excel • MS Word • MS PowerPoint • Adobe Photoshop

IDE / Tools:
        VS Code • Pycharm • Spyder • KEIL 4 • Proteus 8 • Cisco Packet Tracer • WireShark • AUTOCAD 4 • NetSIM 4 • SUMO

DevOps:
        Git • GitHub

Libraries:
        OpenCV • TFLite • AWS

LANGUAGES

• English   –   Full Professional proficiency
• Tamil   –   Native proficiency

TECHNICAL INTERESTS

• Internet of Things
• OOPS
• Big Data Analytics
• Machine Learning
• Web development
• Computer Networks
• Embedded Computing
• Image Processing
• Signal Processing
• Natural Language Processing
• Cloud Computing

ACHIEVEMENTS

• **Winner** (Inter-College Carrom tournament)
Year: 2022, 2023
Amrita Vishwa Vidyapeetham, Coimbatore, TN

• **Runner** (Inter-College Volleyball tournament)
Year: 2022, 2023
Amrita Vishwa Vidyapeetham, Coimbatore, TN

• **Silver** (Zonal level, Athlete)
Year: 2018
Nachiar Vidyalayam School(Matric), Pollachi

EXTRA CURRICULAR ACTIVITIES

• Volleyball
• Athlete
• Cricket

PROJECTS

• **Automated Parking Lot**
  Feb 2023 – Jun 2023 **(5 months)**
  Aim: Design an automated parking lot by checking the availability of slots
  Tools: Arduino IDE, Arduino Mega
        Embedded C, IR sensors

• **Face Mask Detection**
  Sept 2022 – Dec 2022 **(4 months)**
  Aim: Design a system to alert when a person is not wearing a mask
  Tools: Python, Raspberry pi, OpenCV, TFLite
        Thonny IDE

• **Experimentation of Urban V2V protocols**
  Sep 2022 – Dec 2022 **(4 months)**
  Aim: Experimental characterization of urban routing protocols in V2V communication using NETSIM

Tools: NETSIM5, SUMO, VANET

• **Institutional chatbot**
  Sep 2022 – Jan 2023 **(5 months)**
  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
• **Tone generator using LPC2148**
  Sep 2021 – Dec 2021 **(4 months)**
  Aim: Generate a tone by producing
        different waveforms on pins
  Tools: LPC2148, KEIL, Proteus
• **Vehicular number plate detection**
  Sep 2021 – Dec 2021 **(4 months)**
  Aim: Design a system to detect vehicle number
        plate using OpenCV
  Tools: Python, OpenCV