RAMPRAKASH CHANDRASHEKAR

cramprakash@ieee.org | Bengaluru | https://github.com/CodePurble

Self driven techie with a penchant for rapid prototyping using microcontrollers and development boards.

EDUCATION

The National Institute of Engineering
Bachelor of Engineering (B.E), Electronics and Communication

2018 – 2022
Mysuru

- CGPA (As of Current Semester): 9.12/10.0

Sri Chaitanya Techno School
CBSE Class 12 (Science)

Jun 2017 – Mar 2018
Bengaluru

- Percentage: 94%

Sri Chaitanya Techno School
CBSE Class 10

Jun 2015 – Mar 2016
Bengaluru

- CGPA: 10.0/10.0

SKILLS

- Microcontrollers: Arduino, ESP32, ARM (Familiar with Cortex M3)

- Programming Languages: C/C++, Python 3

- Backend Infrastructure: Linux- Installation, troubleshooting, scripting, Git, make, cmake, Docker, Virtual Machines

---

PROJECTS

Computer Clock Module 555 Timer IC, KiCad, 74 Series Logic IC's
Digital clock signal generator with single stepping capabilities built for a group project

Projectile Motion Simulator Python 3, numpy, matplotlib
https://github.com/CodePurble/projectile-project
2D projectile motion simulation and visualisation under various physical conditions

Scrabble C++14, cmake, Git   https://github.com/CodePurble/rp-scrabble
A simple, terminal based Scrabble game written in C++ using object oriented programming concepts

Data Structures Library C++14, make, Git   https://github.com/CodePurble/data-structures
Library of common data structures

POSITIONS OF RESPONSIBILITY

NIE IEEE Student Branch (NISB)
Vice-Chairperson

Jul 2020 - Present
Mysuru

NIE IEEE Student Branch (NISB)
Hardware Focus Group Lead

Jan 2020 – May 2020
Mysuru

- Conducted Hardware Focus Group 2020

- Jointly organized events for NISB as a member of the Executive Committee

CERTIFICATIONS

Build a Modern Computer from First Principles: From Nand to Tetris (Project-Centered Course)

https://coursera.org/verify/U4LUX294BDPL

Computer Architecture, Digital Design, Assembly

Programming, Data Structures and Algorithms using Python

https://codepurble.github.io/assets/pdsa-certificate.jpg

Python 3, Object Oriented Programming, Data Structures

HOBBIES

- Speedcubing- Personal best time of 19.03 seconds

- Tinkering with my Linux machine

- DJ'ing