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
2018 – 2022
Bachelor of Engineering (B.E), Electronics and Communication
Mysuru

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

Sri Chaitanya Techno School
Jun 2017 – Mar 2018
CBSE Class 12 (Science)
Bengaluru

- Percentage: 94%

Sri Chaitanya Techno School
Jun 2015 – Mar 2016
CBSE Class 10
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)
Jan 2020 – May 2020
Hardware Focus Group Lead
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