MRUNAL RAHANGDALE

Mob No: - +91 7769941914 Email :- Mrunalrahangdale018@gmail.com

SUMMARY

A motivated individual with a genuine interest in Embedded system & IT Field.
with a background in Electronics and telecommunication engineering,
I possess a strong understanding of essential languages like C & C++, and programing language like (Python). And also knowledge of embedded OS , Artificial Intelligence and Internet of Things.

EDUCATION

GOVERNMENT COLLEGE OF ENGINEERING CHANDRAPUR (Maharashtra) Jun 2019 -Jun 2023

B.E. In Electronics & Telecommunication Engineering - 7.9 CGPA

SKILLS

- Programming Skills

  Advanced **C** | Python | C++ (OOPS concepts)
  Comm. Protocols (UART, I2C, e-SPI) | Embedded System
  Microcontroller | Shell Scripting & Linux | DSA.
- Soft Skills

  Presentation, Communication, Problem solving, leadership, team building, Good Sportsmanship

Project Experience - with customer information

Organization :-	**Harman Connected Services India Pvt Ltd**
Project :- INTEL PSE - Embedded Controller	**Duration: March 2024 - Present**

Role	Engineer (Embedded Firm Debug and Development)
Client	**INTEL**
Skills	Linux OS and Commands, Embedded C , Git hub Repository .Serial Communication Protocols (UART, e-SPI, I2C).
Responsibilities	• Analyzing, fixing the bugs and developing features with embedded C , Linux and Git hub repository
Work summary	• Led quality investigations by executing test plans, identifying root causes, assessing impact, and implementing corrective actions. (Debug) • Experienced in bug triaging by analyzing failure logs and source code changes. Fixed minor issues in EC FW applications using Putty and Visual Studio Code. • Hands on experience in using Linux commands to develop embedded controller firmware code. • Hands on experience in collecting and analyzing I2c logs for EC-PD, EC- BATTERY and PD-PMC bus communication, eSPI and SPI communications. • Skilled in operating Logic Analyzers, Oscilloscopes (MSO), and Saleae devices.

COURSES

- **EMBEDDED SYSTEM**

Emertxe Information Technologies, Bengaluru .

(06/2023 – 02/2024)

Participated in technical training programs mainly focused on embedded C and C++ programming. This includes understanding the basics of these programming languages, data structures and real time projects.

Projects :- **IMAGE [STEGENOGRAPHY] USING LSB ENCODING AND DECODING**

The project involves implementing a simple yet effective image steganography technique based on LSB (Least Significant Bit) encoding and decoding. Steganography is the science of hiding information within other data in a way that does not raise suspicions. In this case, the project focuses on hiding messages within the least significant bits of the pixels in an image.

Technologies used:- C programming, Pointers, Bitwise operators, Functions, Structures.

BLACK BOX [PIC18F4580 Microcontroller kit]

The project based on Car black box project is an implementation of an automotive system to log . . critical events.

CERTIFICATION

- **CIIT BY TATA TECHNOLOGIES**
  (03/2022 - 07/2022)
  Robotics & 'Digital Manufacturing C.no- CiliT-07-2022-0139

- **EMBEDDED SYSTEM**
  (06/2023 – 02/2024)
  Complete certification course in embedded systems from ESSCI

- **PYTHON**
  (ONLINE 2023)
  ISO certified no- JCMJ9S-CE000011

LANGUAGES

- **ENGLISH** (Full professional Proficiency)
- **HINDI** (Full Professional Proficiency)
- **MARATHI** (full professional Proficiency)