# RAHUL S. BANSOD

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https://github.com/rbansod5/Embedded-Projects.git

## Work History

**Trainee Engineer - Remiges Technologies Pvt. Ltd. - Navi Mumbai, India**     **Feb 2024 to Current**

Working at Client Side National Stock Exchange (NSEIX) at BKC Mumbai - 400070

Project Name: Multicast Tick by Tick

- The Project Involves handling real-time maket data, which was multicast via UDP to a Member Server.

- Implementated a mechanism to recover dropped tick data from the Post Trade Market.

Protocols and Technologies:

- UDP (User Datagram Protocol) : Used for multicasting market data.

- TCP/IP : Likely used for reliable Communication where needed.

- Shared memory : Employed to effiently handle data within the system.

- Bash Scripting: Utilized for automating task and managing system operartion.

## Skills

- C | C++ | Assembly(8085) | Embedded C | Core JAVA

- Intel 8051 | ARM-LCP2148 | RISC-V (CH32V003) | PIC16F886 | AVR Atmega16

- UART | MODBUS | SPI | I2C | ADC | WIFI | Bluetooth | CAN | UDS

- RTOS (STM32F446RE)

- IDE : uVision4/5, Embeetle IDE, Microchip IDE , Moun River IDE

- Linux Internals : IPC

- Bash Shell Scripting

- TCP/IP | UDP

## Education

**Vector India Hyderabad, India   | Post Graduate Diploma Advanced Embedded System Course**     **October 2023**

DETAILS VECTOR PROJECT

Title : MULTIPURPOSE E-CARD SYSTEM.

Description :

- To Use Single Card for Multiple Applications.

- It should access for voting and store data in EEPROM by using i2c protocol.

- It access ATM to withdraw cash multiple of 100 and update remaining balance in EEPROM.

- It should access pan card details.

- Whenever system is reset but data store in the EEPROM.

- ARM 7 LPC2148 microcontroller is using for this project


**Priyadarshini College Of Engineering Nagpur, India | Electrical Engineering (Electronics and Power)**  **November 2020**

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

CGPA : 8.13 / Percentage : 73.80%

DETAILS ACADEMIC PROJECT:

Title: REMOTE MONITORING OF EARTHING SYSTEM

Description :

- It is a device which use to monitor resistance of soil

- System measure moisture of the soil

- System should display the value of leakage current, resistivity of soil, moisture level.

- If resistance of soil above permissible limit system gives alarm and turn ON water supply.

- System stored all the real time data in computer.

- PIC 16F886 microcontroller is used.

**Samarth Jr. College Lakhani Lakhani, India  | HSC (12th Std.) PCMB**  **February 2014**

Board: Maharashtra State Board of Secondary and Higher Secondary Education, Pune

Percentage : 57.08%

**Samarth Vidyalaya Lakhani Lakhani, India  | SSC( 10th Std.) Science**  **March 2012**

Board: Maharashtra State Board of Secondary and Higher Secondary Education, Pune.

Percentage : 62.20 %

## Personal Information

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Date of Birth        : 26 December 1996

Gender            : Male

Nationality        : Indian

Marital Status      : Single

Languages Known  : English, Hindi, and Marathi

Permanent Address : Murmadi/Sawri Ward No.4 Behind Gov. Hospital Lakhani Dist:- Bhandara 441804