AMIT ANANT KORGAONKAR

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Objective:

Enthusiastic and dedicated Electronics and Communication Engineering student with a keen interest in software and embedded technologies. Seeking opportunities to leverage my programming skills and knowledge in a dynamic and challenging environment to contribute to innovative projects and further develop my expertise.

Educational Details:

Qualification	Year of Passing	University/Board	Marks
BE – Electronics and Communication	June 2021	Goa university	70.53%
HSC (12th std)	March 2017	Goa Board	60%
SSC (10th std)	March 2015	Goa Board	74.83%

Technical skills:

Programming	**C, C++, Java, python (Basics)**
Software	**ADS-Advanced Design Software, Arduino IDE, STM32**
Languages	**English, Hindi, Konkani**

Embedded Developer:

Powerland Agro Tractor Vehicle Ptv. Ltd.

Work duration: Dec/2023 – Present Date

- Gained valuable hands-on experience in firmware development and debugging.
- Worked on Microcontrollers like arduino, ESP-32, STM32.
- Engaged in projects like VCU development (Vehicle Control Unit), robotic application, understanding of FOC controller, BLDC motors.

Apprenticeship:

Siemens, Verna Goa

Apprenticeship Duration: Aug/2022 – Aug/2023

- Engaged in various projects and tasks as a Firmware Developer.

- Worked on batch scripting, networking tasks, and an ELF loader for JLink debugger.
- Hands on STM32H745XI Disco Board and communication protocols like UART,SPI,I2C.
- Gained valuable hands-on experience in firmware development and debugging.

Internship:

Focus Computer Training center, Bicholim Goa

Internship Duration: Aug 2019 (3 weeks)

- Developed a project based on Internet of Things (IoT) using Raspberry Pi and Java programming.
- Programmed a motor and LED blinking functionality through the IoT system.
- Gained practical experience in IoT technologies and hardware programming.

Mini Project:

Home Automation

- Utilized Arduino Uno with Bluetooth module to enable remote control of home lighting.
- Integrated the system with an existing app for seamless switching of lighting from a specific distance using Bluetooth technology.

Final Year Project:

RF Energy Harvesting

- Designed a system to capture RF energy from the environment using an antenna.
- Stored the harvested energy into a battery for later use.
- Developed a prototype of a rechargeable power bank that operates without external electricity.
- Utilized ADS-Advanced Design Software for the project.

Workshop:

Virtual Instrumentation using LabVIEW

- Participated in a workshop focusing on LabVIEW, a system engineering software for test, measurement, and control applications.
- Successfully completed a simple program to track the mouse pointer using LabVIEW.
