

Jayesh Verma

Arduino Project Developer

A motivated and practical-oriented MCA student with a strong foundation in advanced Java technologies including Servlets, Hibernate, Spring Boot, and Microservices. Gained 1 year of internship experience at Eagle Foundation during BCA and an additional 1 year of industry experience while completing BCA final year. Transitioned from IoT and Arduino programming to Java development, driven by a passion for hands-on coding and software development. Eager to apply problem-solving skills, practical knowledge, and continuous learning to contribute effectively to software projects and grow as a developer in a challenging environment.

Experience

Arduino Project Developer

Eagle Foundation, 2022 - 2024

At Eagle foundation i had a work experience of 1 year as a project developer under the guidance of Mr. Vivek Singh, also I had got the opportunity of the internship at eagle foundation specific to the IoT domain mostly focused on Arduino projects.

Projects

Smart Agriculture Management

I used a microcontroller, a soil moisture sensor, the Blynk IoT platform, and a water pump. The soil moisture sensor detects and collects the moisture level, which is handled and controlled by the microcontroller. If the moisture reaches a certain level, the microcontroller sends a command to turn the water pump on or off using the Blynk IoT interface.

Smart Attendance System

I connected the RFID card module to the microcontroller. The system works by detecting when a person taps or swipes the RFID card on the reader module. The data is sent to the server via HTTPS protocol and transferred to a Google Sheet for attendance management.

Smart Home Automation

I connected a bulb and fan, which are controlled by the microcontroller over the internet. A 4-channel relay module is used to control the devices. The microcontroller operates the relay to switch on or off the appliances remotely.

Driver Anti-Sleep Goggle

Using the same principle as the smart blind stick, this project detects if a driver's eyes close while driving. The microcontroller triggers a sound notification via the buzzer to alert the driver.

Cafe Management System

This is my first java project which I have created on my 2 sem of Mca. In this I have used swing for gui development, jdbc connection, Additionally now I am interested to integrate the Java Servlets for Server level processing

References

Mr. Vivek Singh (Owner, Manager)

Contact

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Skills

- Arduino Programming
- Java programming
- Python programming
- Php
- C++
- DBMS

Interests

- Photography
- Programming
- Music Listening

Company Name: Eagle Foundation

Email: eaglefoundationgroup@gmail.com

Phone Number : 877066783

Education

10'th

NCL, Modern English High School

2017 - 2018

12'th

Suryadatta Group of Institute

2019 - 2020

BCA -1 year

St. Aloysius College

2021 - 2022

BCA-2 year

St. Aloysius College

2022 - 2023

BCA -3 Sem

St. Aloysius College

2023 - 2024