

Rutusha Somkuwar

<https://rutushasomkuwar.github.io/Portfolio-website/>

Nagpur, Maharashtra

SUMMARY

Motivated and detail-oriented Engineering student specializing in Web Development, Digital Marketing, and Cyber Security. Seeking an internship or entry-level role where I can apply hands-on experience. Strong foundation in development, marketing, and cross-functional teamwork with demonstrated ability to deliver proof-of-concept devices under tight timelines.

KEY COMPETENCIES

C, C++, Python, Java
Microcontroller interfacing
Sensor integration

Git / GitHub
IoT platforms: AWS IoT
Linux command line

Critical thinking
problem solving
Exceptional organisational skills

PROFESSIONAL EXPERIENCE

CodeMate Company

Feb2025 - Present

Data Visualization Intern

Design and build interactive Power BI dashboards by transforming raw Excel/CSV/SQL data with Power Query and writing DAX measures (e.g., month-over-month growth, variance analysis). Collaborate in weekly stand-ups to present drafts, iterate on visuals, and document data sources/model logic for optimized refresh performance and knowledge transfer.

Automatic Pet Feeder (Arduino-Based)

Jan 2024 - Mar2024

IoT/Embedded Systems Project

Built an Arduino Uno-based feeder using a stepper motor to dispense portions on schedule; integrated an load cell for real-time weight verification. Developed C++ firmware to control timing, motor steps, and buzzer alerts; added a LCD interface for user-configurable feed times and portion sizes.

Laser Security System (NodeMCU ESP8266)

Apr 2024 - Jun 2024

IoT/Home Security Prototype

Developed a laser-tripwire using ESP8266, laser module, and an LDR to detect beam breaks; Arduino C++ firmware to publish MQTT alerts to Adafruit IO and log events to SPIFFS on Wi-Fi loss. 3D-printed a mounting bracket for precise alignment over a 3 m span and documented wiring, and MQTT topic structure.

EDUCATION & CERTIFICATIONS

Bachelor of Technology in IoT Engineering

Nagpur

Expected 2027

Digital marketing Certification by Hubspot

By Google Cloud

Introduction to Generative AI

Introduction to Large Language Models

Introduction to Responsible AI

Applying AI principles with google cloud

RELEVANT COURSEWORK

- Digital Marketing Fundamentals
- Web Development: HTML, CSS & JavaScript
- Front-End Frameworks (React.js / Bootstrap)
- Back-End Development (Node.js, Express)
- Database Management (MySQL / MongoDB)
- Data Structures & Algorithms
- Operating Systems (Embedded Linux)