Akanksha Anil Bhosle

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EDUCATION

Pt. Baccharaj Vyas Vidyalaya Nagpur, India
SSC (76.40%) Jun 2019 - Jun 2020

Ravi junior Collage of Science & Technology Nagpur, India
HSC (78.17%) Sep 2021 - Aug 2022

Suryodaya College Of Engineering & Technology Nagpur, India
B. TECH (Electronics and Telecommunication Engineering) Passing year -2026 Nov 2022 - Present

SKILLS SUMMARY

- **Language:** Python, Embedded C, C(Basic)
- **Tools :** Word, Excel, PowerPoint, Powe BI
- **Plateform:** Goggle colab, Visual Studio Code, Jupiter notebook
- **Soft Skills:** Adaptability, Team work, Communication, Time Management

WORK EXPERIENCE

Python Programming Intern, Internpe **June 2024 – Dec 2024**

Aspiring Python programmer with hands-on experience in software development through an internship, seeking to leverage skills in adynamic role.
Eager to contribute to innovative projects and grow professionally.

Internship in ACIT GOOGLE AI-ML

Certificate of project completion on Face Recognition Application.

PROJECT

Health Monitoring System

Purpose**:** To detect the presence of fire by sensing smoke, heat, or both.
Components: Typically includes a sensor (smoke or heat), a processing unit, and an alarm.
Sensor Type:
- Smoke Detectors: Use photoelectric or ionization sensors to detect smoke particles.
- Heat Detectors: Trigger alarms when they sense a rapid increase in temperature or a temperature threshold.

Alarm Mechanism: Emits a loud sound, light, or both to alert occupants.
Power Source: Can be battery-operated or connected to the building's electrical system. Over Voltage Under Voltage cut off System

Smart Curtain Controller using ESP8266 Wi-Fi Module

Purpose: The purpose of the Smart Curtain Project is to automate the opening and closing of curtains using an ESP8266 Wi-Fi module, enhancing energy efficiency, user convenience, and smart home functionality by enabling remote, scheduled, and sensor-based control through IoT

Developed IoT smart curtain using ESP8266 for Wi-Fi control.
Automated curtain with light sensor (LDR) and scheduling.
Controlled motor via relay and motor driver.
Enabled remote operation through mobile app.
Programmed in Arduino IDE (C/C++).
Demonstrated smart home automation and energy efficiency

Heart Attack Risk Prediction with SOS Alert – Python, Streamlit, Scikit-learn

- Built a predictive ML model using Random Forest to assess heart attack risk based on 13 clinical inputs.
- Created a Streamlit app with SOS alert integration and AI assistant for personalized health recommendations.
- Achieved over 90% model accuracy and deployed the app on Streamlit Cloud using Git and joblib.

CERTIFICATES

□ NIT Foundation **July 24- 2024**

The Barclays LifeSkill Program

□ Internet of Things (IoT) – NPTEL **Nov 2nd 2024**

Succesfully completed an online certification exam in IoT conducted by NPTEL,

funded by the Ministry of Education, Govt. of India.

□ Internship Certificate – Credora Infotech Pvt. Ltd. **May 2025 – Jun 2025**

- Completed internship in [DATA SCIENCE].
- Worked on [AI/ML].

□ AI-Driven Health Monitoring System for Heart Attack Prediction **March 2025**

Presented at National Level Tech Fest –Tulsiramji Gaikwad Patil College of Engineering Technology

- Presented an innovative solution integrating AI/ML for real-time heart risk prediction and SOS alert system.
- Received appreciation for practical implementation and societal impact.