Pratik Maruti Bhosale

Profile Photo

Contact Information

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- **Location:** Pune, Maharashtra, India
- **LinkedIn:** https://www.linkedin.com/in/pratik-bhosale
- **GitHub:** https://github.com/pratikbhosale

Career Objective

Motivated and dedicated 3rd-year Electronics & Telecommunication Engineering student at MIT Academy of Engineering with strong technical, analytical, and programming skills. Interested in Embedded Systems, IoT, AI/ML, and Software Development. Seeking opportunities to apply academic knowledge to real-world engineering problems.

Education

MIT Academy of Engineering, Pune

B.Tech in Electronics & Telecommunication Engineering (2022–Present)
- Current Year: TY (3rd Year)
- CGPA: *Add here*

HSC (12th Standard)

- Percentage: *Add here*

SSC (10th Standard)

- Percentage: *Add here*

Technical Skills

Programming Languages:

- C, C++, Python, MATLAB, JavaScript

Electronics & Tools:

- Arduino, ESP8266/ESP32, STM32, Proteus, Multisim, Simulink, KiCad

Software & Frameworks:

- ReactJS, Node.js, Express.js, MySQL, Streamlit

AI/ML:

- Regression Models, Classification Models, XGBoost, Feature Engineering

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Internships & Certifications

- **ReactJS Internship** – Infosys Springboard (SIP), July 2024
- **AI & Cloud Computing Internship** – IBM SkillsBuild (Aug–Oct 2024)
- **Embedded Systems Projects** – Multiple academic projects using Arduino & STM32

Projects

1. Predictive Pulse – BP Prediction using ML

- Built an ML model for blood pressure analysis using regression algorithms.
- Performed data preprocessing, feature scaling, XGBoost modeling.
- Platform: Google Colab

2. Smart Parking Slot Detection System

- Implemented ESP8266-based parking monitoring using ultrasonic sensors and IoT dashboard.
- Tools: Arduino IDE, Proteus

3. Smart Glasses for Obstacle Detection

- Developed using ATtiny85, VL53L0X ToF sensor, and vibration motor.
- Simulated in Proteus using Arduino Nano.

4. Satellite-Based Digital Communication System (Simulink)

- Used DCT, Huffman coding, BCH(15,11), GMSK modulation, and Rayleigh fading channel.

Achievements

- Completed major internships from Infosys & IBM.
- Strong project portfolio in ML, IoT, and Embedded Systems.
- Participated in technical workshops and hackathons.

Strengths

- Strong problem-solving skills
- Quick learner & adaptable

- Good communication and teamwork skills

Personal Details

- **Date of Birth:** *Add here*
- **Languages:** English, Hindi, Marathi
- **Hobbies:** Coding, electronics projects, gaming

Declaration

I hereby declare that the above information is true to the best of my knowledge.

Pratik Maruti Bhosale