

# Pratik J. Mali

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## PROFESSIONAL SUMMARY

**Enthusiastic technology graduate** with a strong foundation in web development, IoT, and sensor technology. **Proficient** in HTML, CSS, JavaScript, and Python. **Skilled** in designing and implementing innovative projects, **leveraging** modern technologies to **engineer** dynamic, user-friendly websites. **Dedicated** to **solving** real-world problems and **adopting** new technologies.

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## EDUCATION

- **Bachelor of Engineering** | MET Institute of Engineering, Nashik 2022-2026  
BE-Artificial Intelligence and Data Science Predicted  
Grade:-8.5 CGPA
- **Higher Secondary Certificate (HSC)** | MET Institute of Science and Commerce, Nashik 2020-2022  
Subjects:-Physics, Chemistry, Mathematics, IT Grade:-Passed With Distinction
- **Secondary School Certificate (SSC)** | St. Francis High School, Nashik 2015-2020  
Grade:-90.2% in SSC Boards Examination

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## SKILLS AND STRENGTHS

- **IoT Development: Engineered** IoT solutions with Arduino and Raspberry Pi. **Enhanced** data acquisition and remote monitoring through sophisticated hardware and software integration.
  - **Programming Languages: Excelled** in Python, C, and C++, with deep knowledge of algorithms and data structures. **Developed** console-based applications, including a Rock Paper Scissors game and a password generator.
  - **MERN Stack Development: Constructed** full-stack applications using MongoDB, Express.js, React.js, and Node.js, **ensuring** smooth backend functionality and dynamic front-end experiences.
  - **Adaptability: Adopted** new technologies swiftly. **Pursued** emerging trends to **drive** innovation and **enhance** project outcomes.
  - **Problem-Solving and Communication: Diagnosed** complex technical issues. **Fostered** team collaboration and **delivered** impactful presentations, leveraging analytical skills to **optimize** systems.
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## PROJECTS

- **Real-Time Data Monitoring System**

**Description:** Developed a sophisticated data monitoring solution with IR sensors and Arduino; optimized real-time data transmission to Node MCU through serial communication, and created a bespoke website for visualization, reducing data latency by 50%

**Technologies:** Arduino, Node MCU, Serial Communication, HTML, CSS, JavaScript-ReactJS

**Achievements:** **Enabled** real-time data visualization, **improving** user interaction with dynamic data feeds by 50%.

- **Personal Portfolio Website**

**Description:** Engineered a dynamic personal portfolio website showcasing academic projects and skills; leveraged React and Node.js to enhance user engagement, resulting in a 45% increase in professional networking opportunities .[Click Here to see my work.](#)

**Technologies:** HTML, CSS, JavaScript-ReactJS, GSAP

**Achievements:** **Delivered** an engaging and professional portfolio, **boosting** skill visibility and project impact by 45%.