

# Rutuja Shete

Panvel, IN 410207  
9653315243 rutujashete48@gmail.com

---

## PROFESSIONAL SUMMARY

Data Science Enthusiast with hands-on experience in Python and a strong interest in data analytics, visualization, and machine learning. Committed to growing through real-world projects and eager to contribute analytical and programming skills to data-driven environments. A quick learner with a mindset focused on solving problems through data.

## PROJECTS

### INVENTORY MANAGEMENT SYSTEM USING IOT

- Developed a real-time inventory monitoring system integrating IoT sensors to track stock levels and item movements.
- Utilized microcontrollers (e.g., Arduino/Raspberry Pi), sensors, and cloud storage to capture and visualize data.
- Tech Used: IoT Devices, C/C++, Python, MQTT, Firebase/ThingSpeak

### DECEPTIVE HONEYPOTS FOR ICS SECURITY

- Built a cybersecurity framework using deceptive honeypots to detect and analyze malicious activities targeting Industrial Control Systems (ICS).
- Tech Used: Python, Wireshark, Snort, Honeyd, VirtualBox

### HOSPITAL MANAGEMENT SYSTEM (MERN STACK)

- Designed and implemented a full-stack web application for managing hospital operations including appointments, patient records, and staff management.
- Tech Used: MongoDB, Express.js, React.js, Node.js

## EDUCATION

**University of Mumbai - Navi Mumbai | Bachelor of Engineering**  
Computer Science(AI & ML), Expected in 07/2026

## SKILLS

Python

HTML

Mern Stack

Communication and Collaboration

Software Development Practices

Critical thinking

IoT

CSS

Problem-Solving and Analytical Skills

Adaptability and Continuous Learning

Teamwork and collaboration

## CERTIFICATIONS

- Certified Python Developer
- Mern Stack Developer Certification
- BCG- Consulting job simulation on Forage