

# Mohammed Petiwala

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## SUMMARY

IT professional with a strong academic background and proven leadership in innovative projects. Skilled in machine learning and full-stack development with expertise in Python, Java, and modern web technologies. Known for exceptional problem-solving and a commitment to driving organizational success.

## EDUCATION

### HSNC University, Mumbai

Graduation - Apr 2025

- *BSc IT*
- *Awards: 2<sup>nd</sup> prize in Innohack (Hackathon) for SoulBuddy*

### Ramsheth Thakur Higher Secondary Vidyalaya, Mumbai

Graduation Year - 2022

## TECHNICAL SKILLS

- *Computer Languages: Python, Java, HTML, CSS, JavaScript, React, Node, Express.*
- *Tools: Git, GitHub, VS Code.*
- *Skills: Full-Stack Web Development, Database Management, Project Leadership.*

## PROJECTS

### Plant Disease Detection using ML and DL (Python), Group Project

Jul 2024

- Developed this model using Python also by using Machine learning and Deep Learning concepts.
- Detects various plant diseases through the trained model by taking an input image of the plant.

### BuddyVerse (Web Application), Group Project

Apr 2025

- Built a web application using Embedded Javascript, CSS, Node.js, Express.js, Bootstrap and MongoDB.
- It acts as a platform for cross-grade interaction and guidance between college students.

### Online Banking System (Java), Individual Project

Dates

- Developed an online banking web application using Enterprise Java, implementing secure and essential banking features.

### SoulBuddy: Mental Health Companion (Web Application), Group Project

Dec 2024

- Created a web application using HTML, CSS, Node.js, Express.js, Firebase and Huggingface.
- A platform that detects and analyses mood of a person with other features like journaling and gamification.

## LEADERSHIP EXPERIENCE

### Plant Disease Detection using ML and DL (Python), Project Leader

Jul 2024

- Led a team of four in successfully developing the entire project lifecycle, from requirement gathering and data preprocessing to model training and deployment.

### BuddyVerse (Web Application), Project Leader

April 2025

- Spearheaded the development of a dynamic web application, leading a team in designing and implementing a platform that facilitates cross-grade and cross-course interaction among college students.

### SoulBuddy (Web Application), Project Leader

Dec 2024

- Worked in leading the creation of an interactive web platform, managing a team of three to design and build a system that enables a person to detect their mood, get personalized recommendations and journal their thoughts.

## VOLUNTEER EXPERIENCE

### Systematic Chaos (KC College), Social Media Co-Head

Jan 2024

- Led a team of 20 students of Social Media department in the Cultural Techfest of KC College.