

# RISHIT PATEL

9372036382 • patelrishit4311.@gmail.com • www.linkedin.com/in/rishit-patel-233818208 • https://github.com/rizzit11

## SUMMARY

3rd-year B.Tech student in Artificial Intelligence & Machine Learning, focusing on Generative AI. Active social worker with leadership experience in NGOs and the NSS Council. My aim is to leverage AI skills and project management experience to drive impactful tech and social projects.

## EDUCATION

### B.Tech, Artificial Intelligence and Machine Learning

Graduating June 2026

8.51 CGPA

Thakur College Of Engineering and Technology

Relevant coursework: Software Development, DSA, AI and ML Algorithms

## TECHNICAL SKILLS

**Languages:** Python, Javascript, Tailwind CSS, HTML5, Bootstrap

**Cloud/DB:** MongoDB, MySQL, Firebase

**Framework:** Reactjs, Expressjs, Nodejs

### Certifications:

- Tensorflow 2.0: Deep Learning and Artificial Intelligence – January 2024
- Postman API Fundamentals Student Expert – November 2024

## WORK EXPERIENCE

### Main Flow Services and Technology Pvt. Ltd. , : MERN Stack Developer

December 2024 - February 2025

- Completed tasks related to MERN Stack.

### TCET NSS UNIT, : Project Head

June 2024 - June 2025

- Led social projects, managing teams and resources.
- Developed leadership, teamwork, and planning skills.

### Street Cause Mumbai, : Founding Member

June 2023 - Present

- Established NGO initiatives across universities.
- Built a network of young leaders for social change.

## PROJECTS

### TrustChain

Built a Decentralized Crowdfunding System with Automated Refund in HackNiche 3.0 that demonstrates decentralized, transparent, and automated crowdfunding with refunds if funding goals are not met.

- Used Solidity and Hardhat for Smart Contract Development.
- React.js (dynamic web interface), Next.js, Tailwind CSS (frontend).
- MetaMask for Wallet Connection.
- Ethereum Testnet (Sepolia) for low-cost blockchain deployment and testing.
- IPFS for storage of campaign media, ensuring security and decentralization.

### AirVana

Developed an IoT app that monitors urban air quality in real time, identifies pollution hotspots, and suggests optimal locations for green spaces. Features alerts for hazardous air quality and maps for visualizing pollution trends.

- Node.js with Express.js (backend) and MongoDB for data handling and storage.
- React.js, HTML, CSS, Tailwind CSS, Bootstrap, and Figma for a responsive front-end.
- OpenWeatherMap API for air quality data and Mapbox for 3D pollution maps.

### DesiVest

Developed an AI-powered financial assistant that analyzes spending patterns to suggest savings strategies and set

financial goals. Includes real-time budgeting recommendations and a social leaderboard to encourage consistent savings.

- Python (data analysis) and Node.js with Express.js (backend), MongoDB (database) for storage.
- React.js, HTML, CSS, Tailwind CSS, and Bootstrap for a dynamic, user-friendly front-end.
- Custom AI modules for financial recommendations and a social leaderboard to encourage savings.

## **ACTIVITIES**

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Contributed to the Guinness World Record for the Largest Generative AI Hackathon at Mumbai Hacks 2024 by developing DesiVest, a personalized AI financial assistant, and created AirVana, an IoT-based air quality monitoring solution, at Technovate 2.0 2024 to improve urban greenery and air quality. Awarded Best IPC (for BBC) at KJ MUN 2024 for exceptional performance in committee, and presented a research paper on "5G Technologies in Agriculture" in 2022, showcasing the application of emerging technologies to real-world challenges. Certified as a Postman API Fundamentals Student Expert and completed TensorFlow 2.0: Deep Learning and Artificial Intelligence certification, demonstrating strong skills in API testing and machine learning frameworks.