Mohit Mukesh Patel
BTech Computer Engineering | 2026

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EDUCATION

UG Qualification: Vishwakarma University, Pune | BTech Computer Engineering | CGPA – 8.24 | 2022 - 2026

12th Qualification: Arham Junior College, HSC | Science | CET – 87.6 | 2020 - 2022

10th Qualification: Rosary International School, ICSE | Boards – 85% | 2020

CORE SKILLS

- ✓ IoT System Design
- ✓ SQL
- ✓ ML
- ✓ Prompt Engineering
- ✓ AI

TECHNICAL SKILL

- ✓ C
- ✓ C++
- ✓ Python
- ✓ HTML/CSS
- ✓ SAP ABAP

TOOLS/LIBRARIES

- ✓ **Tools & Platforms**: SAP, VS Code, GitHub, Power BI, StarUML, Eclipse (ADT), Adobe Life Cycle.
- ✓ **Libraries & Frameworks:** TensorFlow, Keras, NLTK, OpenCV, NumPy, Pandas, Scikit-learn.

PEOPLE SKILLS

- ✓ Leadership and Team Coordination
- ✓ Communication and Presentation Skills
- ✓ Event Management and Planning

EXPERIENCE

Finance Wing, Student Council – Vishwakarma University | Co-Secretary | Aug 2023 – 2024

- *Successfully managed budgeting, approvals, and allocation of funds for all council and departmental activities.*
- *Coordinated with team members, faculty mentors, and vendors to ensure smooth financial operations and reporting.*
- Tools used: Microsoft Excel, Google Sheets, Communication via Microsoft Teams & Email

Computer Engineering Department, Vishwakarma University | Class Representative (CR) | Aug 2021 – July 2024

- *Elected CR for three consecutive years, acting as a liaison between faculty and students to resolve academic and administrative concerns.*
- *Organized meetings, tracked attendance, circulated important notices, and ensured class discipline and coordination.*
- *Tools used: Google Workspace (Docs, Sheets, Forms), WhatsApp for communication, MS Excel for attendance tracking*

Computer Engineering Department, Vishwakarma University | Student Member, Department Advisory Board | Aug 2024 – Present

- *Contributed student insights to help shape academic policies, curriculum planning, and departmental improvement strategies.*
- *Participated in formal meetings with faculty, alumni, and industry experts to offer constructive feedback and suggestions.*

PROJECTS

IoT-Based Energy Optimization in a Classroom

- *Designed a smart classroom system using Raspberry Pi and YOLO model to detect human presence and control electrical devices efficiently.*
- *Customized YOLO model for human detection and used virtual grid layout for pinpointing human location in classroom.*
- *Tools Used: Python, YOLO, FastAPI, Raspberry Pi 5, Relay Module, Raspberry Pi Cam Module.*

Automated Irrigation System

- *Designed an IoT-based irrigation system using CNN (MobileNet) to classify crops and estimate water requirements.*
- *Led model training, sensor integration, and logic implementation for automated watering based on crop and weather data.*
- *Tools used: Python, CNN (MobileNet)*

NLP-based Sentiment Analysis System

- *Built a sentiment classification system for movie reviews using the RoBERTa model, focusing on text and emoji content.*
- *Handled data preprocessing, model training, and GUI development for user-friendly review input.*
- *Tools used: Python, Transformers (Hugging Face), Tkinter, Pandas, Sklearn*

Brute Force Attack Using Python

- *Developed a script to simulate brute-force attacks on login forms for educational and cybersecurity awareness purposes.*
- *Implemented password automation and analyzed time efficiency and security loopholes.*
- *Tools used: Python, Requests library, Web scraping tools*

Student Attendance Management System

- *Created a desktop-based system to manage and record student attendance using Java and MySQL.*
- *Managed the design of GUI and backend logic to store, retrieve, and update student attendance records.*
- *Tools used: Java, MySQL, JDBC*

Inventory Management System

- *Developed a C-based linked list program for managing inventory in a stationary shop.*
- *Designed data structures and user interaction flow to add, update, and delete inventory entries.*
- *Tools used: C language, Linked Lists*

Minesweeper Game

- *Implemented the classic Minesweeper game using C language and linked list-based data handling.*
- *Worked on user input validation, game logic, and grid display functionalities.*
- *Tools used: C language, Linked Lists, Console-based UI*

CERTIFICATIONS, COURSES, TRAINING, WORKSHOPS

Embedded-101 IoT Workshop
Vishwakarma University, Pune – 2024

DevOps Workshop
Vishwakarma Institute of Technology (VIT), Pune – 2024

Certificates Repository (Multiple Courses)
GitHub – [Certificates Repository](#) – 2022–2025

HONORS, AWARDS, ACTIVITIES, AND COMPETITIONS
- 1st Prize at IoT Hackathon Human Posture Monitoring System
- Elected Class Representative (CR) for 3 consecutive academic years, demonstrating leadership and coordination
- Appointed Co-Secretary of the Finance Wing in Student Council, Vishwakarma University

PERSONAL DETAILS
- *Date of Birth: 19th November, 2003*
- *Gender: Male*
- *Nationality: Indian*
- *Hobbies and Interests: Puzzle Solving, Billiards (8-Ball Pool), Snooker*