

ANAND MANOJBHAI PATEL

B.Tech. - Computer Science & Engineering

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CAREER OBJECTIVE

Computer Science undergraduate specializing in Artificial Intelligence, FinTech systems, and IoT-based applications. Experienced in developing AI-driven agents, reinforcement learning models, REST APIs, and cloud-integrated mobile applications. Strong foundation in Python, machine learning, NLP, blockchain, and backend development. Seeking internship or entry-level roles in AI/ML, FinTech, or research-driven engineering teams.

EDUCATION

B.Tech. Computer Science & Engineering , Navrachana University CGPA: 7.66 / 10	2022 – 2026 Vadodara, Gujarat, India
Diploma Diploma - Automobile Engineering - Automobile Engineering GTU , Sigma Institute of Engineering CGPA: 8.45 / 10	2019 – 2023 Vadodara, Gujarat, India
INDUSTRIAL TRAINING INSTITUTE - COPA (Full Time) , INDUSTRIAL TRAINING INSTITUTE GORWA Percentage: 75 / 100	2017 – 2018 Vadodara, Gujarat, India

KEY EXPERTISE

- Artificial Intelligence
- Internet of Things
- FinTech
- Power BI
- Quantum Computing

ASSESSMENTS / CERTIFICATIONS

Quantitative Research Job Simulation

Key Skills: Credit Risk Analysis

What is Generative AI?

Key Skills: Generative AI AI Generative AI Tools

BLOCKCHAIN A-Z: Blockchain, A Crypto

Key Skills: Blockchain Solidity Cryptocurrency

LLMOps: Building Real-World Applications With Large Language Models

Key Skills: LLM

EXTRA CURRICULAR ACTIVITIES

Research

PERSONAL DETAILS

Current Address: C1104 SWAMI VIVEKANANDA HEIGHTS 2 GHB, OPP AARDHANA DUPLEX LAXMIPURA ROAD GORWA, Vadodara, Gujarat, India 390016

PROJECTS

Chanakya - FinTech AI Agent, Mentor: Prof. Gauravkumarsingh Gharwar July 2025 – June 2026

Technologies: Python, Reinforcement Learning, NLP, REST API, Financial Modeling, Web Development

- Built a modular multi-agent FinTech platform for asset management automation including research, portfolio optimization, risk analysis, and compliance workflows.
- Executed PPO-based reinforcement learning for dynamic portfolio optimization.
- Developed NLP pipelines to extract insights from financial data and reports.
- Merged real-time financial APIs for market data ingestion.
- Designed scalable REST APIs and secure web interfaces for decision support systems.

Agrisense, Mentor: Prof. Gauravkumarsingh Gharwar Team Size: 3 July 2025 – Nov 2025

Technologies: Flutter, Firebase, Raspberry Pi, IoT, TFLite, Cloud ML

- Enhanced a cross-platform mobile application for real-time soil analysis and crop recommendation.
- Blended pH and NPK sensors with Raspberry Pi for live data acquisition.
- Deployed on-device TensorFlow Lite model for crop prediction.
- Built cloud-based pest detection using ML image inference.
- Applied offline caching and push notifications for low-connectivity environments.

Blockchain based Voting System, Mentor: Prof. Vaibhavi Patel Team Size: 4 June 2024 – April 2025

Technologies: Solidity, Web3.js, Flutter, Blockchain

- Designed a decentralized voting platform ensuring transparency and immutability.
- Enforced smart contracts to prevent double voting and ensure vote integrity.
- Incorporated Web3.js for secure blockchain interaction.
- Built mobile UI for voter authentication and real-time vote counting.

Distance Detection for Blind People, Team Size: 2 August 2024 – Nov 2024

Technologies: C, Arduino, Ultrasonic Sensors, IoT

- Improved an assistive device using ultrasonic sensors to detect nearby obstacles.
- Implemented servo-based sweeping mechanism for wider detection coverage.
- Triggered buzzer alerts for obstacle proximity to aid safe navigation.

Known Languages

- English
- Hindi
- Gujarati

Technical Skills

AI / Machine Learning:

Machine Learning, Deep Learning, Reinforcement Learning (PPO), NLP, LLMs, TensorFlow Lite, Model Deployment

Backend & APIs:

REST APIs, FastAPI, Flask, Web Services, Authentication

IoT & Embedded:

Raspberry Pi, Arduino, Sensors (pH, NPK, Ultrasonic), Hardware Integration

Tools & Platforms:

Git, GitHub, Power BI, Linux

FinTech & Data:

Financial Modeling, Risk Analysis, Credit Scoring, Quantitative Research, Portfolio Optimization

Cloud & DevOps:

Firebase, Cloud Functions, MQTT, Firestore, API Integration

Blockchain:

Solidity, Web3.js, Smart Contracts, Decentralized Applications