

PAREKH VIVEKKUMAR A.

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Career Objective

Machine Learning with Python Developer Passionate About Data Analysis and high-Create New Model For Predict Values On Dataset .

❖ Skilled

- **Google Collab, Vs-code, User-Friendly Solutions**

Education

🎓 Certification in [Machine Learning with Python] - TOPS Technologies, [2025]

🎓 Bachelor's Degree in **Diploma in Information Technologie - Government Polytechnic Kheda - 2026**

Projects & Practical Assignments

❖ **Project 1: Gujarat Coastal Threat Alert System (GCTA-System)**

📌 Description: **Problem Statement**

Coastal areas face critical threats such as:

- Storm surges, cyclones, and coastal erosion
- Algal blooms, pollution, and illegal dumping
- Rising sea levels due to climate change

Current early-warning systems are fragmented, slow, and often lack **location-specific alerts**.

❖ Tech Stack/Features

- **Frontend:** React.js / Next.js, D3.js, Mapbox/Leaflet.js
- **Backend:** Node.js / Flask (Python APIs)
- **AI/ML Models:** Python (TensorFlow, PyTorch, scikit-learn)
- **Database:** PostgreSQL / MongoDB
- **Notifications:** Twilio / Firebase APIs
- **Cloud Infrastructure:** AWS / GCP

🔗 GitHub Link: [GITHUB-LINK](#)

🌐 Live Link: [LIVE-LINK](#) OR YouTube Link: [YOUTUBE-LINK](#)

❖ **Project 2: AI_Health_Risk_Predictor**



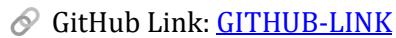
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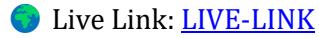
AI-Health-Risk-Predictor is an intelligent system that uses artificial intelligence and machine learning techniques to analyse health-related data and predict potential health risks. It takes input such as age, gender, lifestyle habits (diet, exercise, smoking, alcohol consumption), medical history, and biometric data (BMI, blood pressure, sugar levels, cholesterol, etc.) to evaluate the likelihood of various health conditions.

The system provides:

- **Risk Assessment** – Predicts chances of diseases like diabetes, heart disease, hypertension, or obesity.
- **Personalized Recommendations** – Suggests preventive measures such as diet improvements, exercise routines, or medical check-ups.
- **Data Visualization** – Displays health trends and risk scores in an easy-to-understand dashboard.
- **Early Detection** – Helps users identify risks before symptoms become severe.

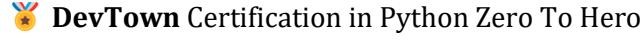


GitHub Link: [GITHUB-LINK](#)



Live Link: [LIVE-LINK](#)

Certifications & Achievements



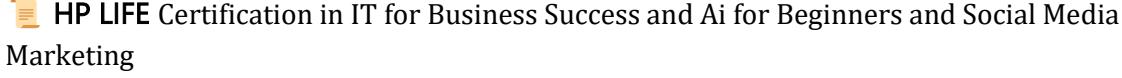
DevTown Certification in Python Zero To Hero



Alison Certification in Machine Learning and Advanced AI Techniques



NICE25 IN College, Skill Nation Certification in Generative AI Tools



HP LIFE Certification in IT for Business Success and Ai for Beginners and Social Media Marketing



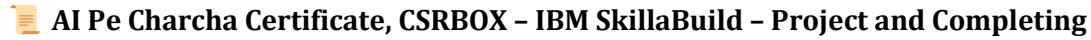
TOPS TECHNOLOGIES Certification in Cyber Security and AI Ready Full Stack Developer



NICE 25 – National Inter-College Crossword Expedition 2025 West Zone Finals



HiDevs Skillathon2025



AI Pe Charcha Certificate, CSRBOX – IBM Skillabuild – Project and Completing

4-week Certificate (Two Certificate)



Elite Coders – Machine Learning Basics Quiz



Elite Coders – DSA in Python – Beginner Quiz



Education Department, Govt. of Gujarat Knowledge Consortium of Gujarat

Strengths

- ✓ Strong Multitasking and Problem-Solving Skills.
- ✓ Ability to Quickly Learn New Technologies.

Declaration

I hereby declare that the information provided above is accurate to the best of my knowledge and belief.