



EDUCATION

Parul University	2022 - 2026
B.Tech. - CSE - PIET CGPA: 8 / 10	
St Mary's School, Vapi	2022
12 th GSEB Percentage: 60 / 100	
St Marys's School, Vapi	2020
10 th GSEB Percentage: 71 / 100	

HabitIQ

30 Oct, 2024 - 03 Jan, 2025

Mentor: self | Team Size: 3

Key Skills: NodeJS Express ReactJS AIML MongoDB UI Development

(Due to technical issues, the search service is temporarily unavailable.)

Project Overview

Name: HabitIQ (AI Health Tracker)

Goal: AI-driven app to track habits, fitness, and wellness with personalized insights.

Key Features:

- Real-time health monitoring (activity, sleep, nutrition).
- AI coaching (habit predictions, mental wellness NLP chatbot).
- Wearable integration (Fitbit, Apple Watch).
- Data dashboards and habit analytics.

My Role*

1. AI/ML Model Design

- *Tasks*:

- Aggregate health data (activity, sleep, biometrics).
- Build models:
- *LSTM/Transformers* for habit/time-series prediction.
- *NLP models* for mental wellness coaching.
- *Clustering* (K-means) for user behavior analysis.
- Optimize models for mobile/web performance.
- Integrate models into backend APIs.

2. Backend Development

- *Tasks*:

- *Tech Stack*: Python (FastAPI/Django) or Node.js.
- *APIs*: REST/GraphQL for data ingestion (wearables) and AI insights.
- *Database*: PostgreSQL/Firebase for user profiles, health logs.
- *Security*: HIPAA/GDPR compliance, JWT/OAuth authentication.
- *Deployment*: AWS/Google Cloud for scalability.

Workflow

1. *Requirement Analysis*: Align with health experts on user needs.
2. *AI Pipeline*: Data → Train models → Optimize → Deploy.
3. *Backend Setup*: APIs + database + cloud → Integrate AI.
4. *Test & Launch*: Validate insights → Deploy MVP → Iterate.

Deliverables

1. Trained models (habit prediction, NLP coaching).
2. Scalable backend with APIs, auth, and cloud setup.
3. Integration with frontend/wearables.
4. Compliance and technical docs.

Tools

- *AI*: TensorFlow, PyTorch, Scikit-learn.
- *Backend*: FastAPI, PostgreSQL, Firebase.
- *Cloud*: AWS Lambda, Google Cloud.
- *Security*: JWT, OAuth, HIPAA-compliant encryption.

Ai Image Recognition Chatbot

06 Jun, 2024 - 16 Oct, 2024

Mentor: self | Team Size: 4

Key Skills: AIML ReactJS NodeJS HTML CSS Python MongoDB Firebase

Project Overview

Project Name: Image Recognition Chatbot

Objective: Build an AI-powered chatbot for real-time image analysis and interaction.

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### *Your Role*
#### *1. AI/ML Model Design*
- Develop and train models for image recognition (e.g., CNNs) and NLP (e.g., Transformers).
- Optimize models for accuracy and speed.
- Integrate models into the backend.

#### *2. Backend Development*
- Build scalable backend using Python (Flask/Django/FastAPI) or Node.js.
- Create APIs for frontend-AI integration.
- Set up databases (PostgreSQL/MongoDB) and authentication (JWT/OAuth).
- Deploy on cloud platforms (AWS/Google Cloud/Azure).

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### *Deliverables*
1. Trained AI/ML models.
2. Functional backend with APIs and database.
3. Seamless integration with frontend.
4. Documentation for models and backend.

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### *Tools & Technologies*
- *AI/ML*: TensorFlow, PyTorch, Keras.
- *Backend*: Flask/Django/FastAPI, Node.js.
- *Database*: PostgreSQL, MongoDB.
- *Cloud*: AWS, Google Cloud, Azure.

Let me know if you need further details! ☺
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ASSESSMENTS / CERTIFICATIONS

SIH(Vadodra Hakathon 5.0)

PERSONAL DETAILS

Gender: Male	Date of Birth: 03 Mar, 2005
Marital Status: Single	Known Languages: English,Hindi,Gujarati
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