

# **Yogesh Khant**

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## **EDUCATION**

### **G H Patel College of Engineering & Technology**

B.Tech in Computer Engineering; CGPA: 8.38/10

Vallabh Vidyanagar, Anand, Gujarat, India

2022 – 2026

### **BAPS Swaminarayan Vidhya mandir Gurukul-Gondal**

Higher Secondary Education; Percentage: 85.67%

Rajkot, Gujarat, India

2020 – 2022

## **TECHNICAL SKILLS**

**Programming Languages:** C, C++, Python, JavaScript

**Web Technologies:** HTML, CSS, Bootstrap, Node.js, React.js, Next.js, Tailwind CSS, Express.js

**Databases:** MySQL, MongoDB

**Tools & Platforms:** Git, VS Code, Jupyter Notebook, Postman

## **EXPERIENCE**

### **AIML Intern**

April 2025 – May 2025

*InternPe (Remote)*

- Developed predictive ML models (Random Forest, Regression) for diverse applications, including healthcare (diabetes), automotive (car price), and sports analytics (IPL).
- Built and implemented a content recommendation system to deliver personalized movie suggestions.
- Executed end-to-end data science workflows (data preprocessing, feature engineering, model selection) using Python, Scikit-learn, Pandas, and NumPy.

## **PROJECTS**

### **Real-Time Chat Application | MERN Stack (MongoDB, Express.js, React, Node.js, Pusher, Firebase)**

- Developed a real-time messaging web app using Pusher for instant message updates and Firebase for authentication.
- Designed an intuitive chat interface in React with modular components and efficient state management.
- Built secure RESTful APIs with Express.js and Node.js, and integrated MongoDB for user and message data storage.

### **Movie Dialogue Emotion Analyzer and Character Dashboard | Python, NLP, Streamlit, Hugging Face, Plotly**

- Built an NLP-based emotion detection system to classify movie dialogues into categories like joy, anger, sadness, fear, surprise, and neutral using the DistilRoBERTa transformer model.
- Implemented text preprocessing and parsing with Regular Expressions and Pandas to extract and clean dialogues from both the Cornell Movie-DIALOGS Corpus and user-uploaded scripts.
- Developed an interactive Streamlit dashboard featuring Plotly visualizations (pie, bar, and line charts) for exploring emotional tone and character-level analysis.
- Enabled character-wise emotion tracking and comparison, visualizing emotional flow across dialogues to reveal narrative and personality patterns.
- Achieved high interpretability and scalability by integrating deep learning, NLP, and data visualization techniques into a user-friendly analytical web application.

### **Online Book Store Application | MERN Stack (MongoDB, Express.js, React, Node.js, Google Books API)**

- Built a scalable full-stack Book Store application with role-based access, enabling users to register, authenticate, and manage books securely.
- Integrated Google Books API to fetch and explore a large-scale library of 1M+ books with category-based search and external book imports.
- Implemented JWT-based authentication and bcrypt password hashing to ensure secure login, authorization, and data protection.
- Designed optimized MongoDB schemas for Users and Books to support efficient CRUD operations and structured data management.
- Developed a responsive React UI with intuitive navigation and real-time updates for smooth book browsing and management.