

OM KOTAWALA

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Education

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|--|------------------------|--------------|
| Vishwakarma Government Engineering College | BE in IT (CGPA : 8.78) | 2022 - 2026 |
| RPTP Science School, Anand | HSC (86 %) | March - 2022 |
| I B Patel English School, Anand | SSC (86 %) | March - 2020 |

Projects

Automobile Spareparts Purchasing website

November(2024) – February(2025)

- The **Automobile Spare parts Purchasing Website** is a **smart inventory and sales solution** designed to streamline the **procurement, tracking, and sales** of vehicle spare parts. It ensures **efficient stock management, order processing, and real-time availability updates** for automotive components.
- **Technologies used** : HTML, CSS, JavaScript, PHP, MySQL(database).
- **Role** : UI Developer.
- **Team Size** : 5

Women Safety (SHEKavach)

September(2024) – November(2024)

- The **Women Safety Analytics System** is an **AI-powered real-time monitoring solution** designed to enhance women's security using **computer vision and deep learning**. It detects **gender distribution, identifies lone women in unsafe conditions (12 AM - 5 AM), and recognizes SOS gestures** to trigger instant alerts and also stores the information of Emergency with time and location(Longitude and Latitude) in auditlogs.
- **Technologies used** : Python, Keras , Pytorch, TensorFlow, OpenCV, MediaPipe, CNN.
- **Role** : Trained the Model.
- **Team Size** : 6

HealthMate

January(2025) – February(2025)

- HealthMate is an **AI-driven medical chatbot** designed to provide **instant health guidance, symptom analysis, and preliminary medical advice**. Using **Natural Language Processing (NLP) and machine learning**, it understands user queries and offers relevant health information.
- **Technologies used** : Python, Keras , Pytorch, Langchain, Huggingface model (Mistral 7B), HTML, JavaScript, CSS, MongoDB.
- **Role** : Chatbot Developer with UI.
- **Team Size** : 6

Skills

- **Programming Languages** : C, Java, Python
- **Web Development** : HTML, CSS, JavaScript, PHP, Node.js
- **Frameworks & Libraries** : Bootstrap, AngularJS , ReactJS , ExpressJS
- **Database Management** : MySQL , MongoDB

Key Achievements

- **Finalist of Health Hack at VIT Bhopal**
- **Top in zonal round for SIH 2024**

Co-Curricular Activities

- Attended the workshop on Blockchain in September 2024.
- Attended the workshop on JavaScript in July 2024.
- Completed the certified courses of HTML, CSS, and JavaScript.
- Got a Certificate on HackerRank for Basics of C language.