

DIYA RAJ

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EDUCATION

Vellore Institute of Technology, Bhopal <i>Bachelor of Technology in Computer Science and Engineering</i>	Aug 2022 – present CGPA - 8.49
PM Shri KENDRIYA VIDYALAYA NO.1 BARODA <i>Class XII</i>	2022 Percentage - 82%
PM Shri KENDRIYA VIDYALAYA NO.5 AFS BARODA <i>Class X</i>	2020 Percentage - 93.8%

TECHNICAL SKILLS

Languages: C/C++, HTML/CSS, Python, SQL(Postgres), JavaScript
Frameworks: Node.js, MATLAB
Developer Tools: AWS, VS Code, Visual Studio
Libraries: Tailwind CSS

PROJECTS

VTravelBuddy <ul style="list-style-type: none">Contributed as a backend developer for a one-stop solution to find travel partners among VIT students.Provided a hassle-free way to connect travel mates for journeys to/from college (railway stations/airports).Eliminated traditional WhatsApp messaging by developing and maintaining the website's backend.Enhanced the user interface with frontend development using Django, improving overall experience.Technologies Used: Django, Bootstrap	GitHub
Kidney and Diabetes Prediction <ul style="list-style-type: none">Collaborated on front-end development with HTML, CSS, and Bootstrap, creating a responsive, medical-themed design.Designed user input forms for health data entry, enhancing UX with clear guidance and logical flow.Integrated forms with Flask for real-time ML predictions, achieving 98% CKD and 96% diabetes accuracy.Conducted usability testing and refined the interface based on team feedback for improved professionalism.Technologies Used: HTML, CSS, Bootstrap, Flask	GitHub
ShopEZ E-Commerce Website <ul style="list-style-type: none">Designed MongoDB schemas and implemented CRUD operations for products, categories, users, and orders.Configured .env files for secure settings and deployed the app to Render/Vercel for production.Ensured seamless frontend integration with a live database for a robust e-commerce platform.Technologies Used: MongoDB, Express.js, React, Node.js	GitHub
AI-Powered Chatbot <ul style="list-style-type: none">A conversational chatbot built to simulate human-like interactions, capable of answering queries, handling FAQs, and providing personalized responses. It uses Natural Language Processing (NLP) techniques to understand user input and generate meaningful replies. The system can be integrated into websites or applications for customer support or personal assistant functionalities.Technologies Used: Python, NLTK, Gensim, TensorFlow, Keras, Flask (for deployment), NLP, Deep Learning, Machine Learning	GitHub

ACHIEVEMENTS

- Active Data Science Club member, contributed to workshops, learned machine learning basics.
- Earned IBM GenAI Certification in Skill Development.
- Maintained 200+ day LeetCode streak, solved diverse algorithmic problems.