



Harshil Desai

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EDUCATION

Madhuben and Bhanubhai Patel Institute of Technology, CVM University 07/2021 - 06/2025
Bachelor of Engineering - (GPA: 7.3/10.0) Gujarat, IN

- **Coursework:** Programming Languages (C/C++, Java, Python), Web Technologies, Data Structures and Algorithms, Databases, Machine Learning, Artificial Intelligence

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript
Databases: MySQL, MongoDB, Redis
Web Frameworks: React.js, Node.js, Express.js, Flask, Django
Libraries: NumPy, pandas, pytsx3, redux, Axios
DevOps: Docker, Github Actions
Other Tools: Git, Postman

EXPERIENCE


ACCELATE INNOVATIONS LLP Surat, India
Software Developer Intern 01/2025 - 05/2025

- Worked on developing and enhancing dynamic web interfaces using React.js, Next.js, and Redux.
- Collaborated in an agile environment, contributing to feature development and participating in code reviews.
- Implemented dynamic slug generation and server-side pagination, which significantly improved SEO and overall application performance by 30%.
- Refactored components to optimize rendering by efficiently managing state and props; created a reusable filter component to enhance code modularity and reusability.
- Integrated encryption and decryption techniques for secure data handling.


ACCELATE INNOVATIONS LLP Surat, India
Software Engineer Intern 05/2024 - 11/2024

- Contributed to the development of a full-stack E-commerce web application for a company client during internship, using Node.js, Express.js, MongoDB, React.js, and Redux.
- Worked on building and testing 20+ RESTful API endpoints with Node.js and Express.js to support core backend functionalities.
- Implemented and integrated MongoDB schemas to manage products, users, and orders, enabling efficient data retrieval and update.
- Fixed 40+ frontend bugs and refactored code to use Redux for effective state management, resulting in a cleaner architecture and improved maintainability.



PROJECTS

Speech To Recognize (Personal Assistant) | Python | 

- Developed an intelligent speech recognition assistant using Python, which recognized and processed specific voice commands to execute tasks. Utilized libraries such as SpeechRecognition, PyAudio, and pydub for audio processing and speech recognition. Implemented real-time speech recognition, text-to-speech, web automation, email handling, YouTube video downloading, and GUI automation.

Minimap Shopping | Node.js, MongoDB, React.js, and Redux | 

- Developed Full-stack E-commerce application including Admin Dashboard for managing products, inventory, and reviews, with Stripe payment integration and Cloudinary for image storage. Implemented user authentication, profile management, product search and filters, shopping cart, and order history features.

ReadMeGenius | Next.js |  

- Developed a frontend AI application using Next.js, Tailwind CSS, and ShadCN UI to generate professional README.md files from GitHub URLs, code snippets, or text prompts using Google Gemini via Genkit. Integrated mock authentication with OTP email verification and bcrypt password hashing. Enabled users to add, view, update, and delete READMEs with multi-file input and localStorage support. Deployed the app on vercel with responsive UI and dark/light mode toggle.

CERTIFICATES

- **Google Cloud Skills Boost:** Prepared Data for ML APIs
- **Google Cloud Skills Boost:** Networking & Security
- **Google Cloud Skills Boost:** Cloud Computing Fundamentals
- **Coursera:** Machine Learning with Python
- **Coursera:** Introduction to DevOps Analysis of Algorithms