



Sarvaiya Nishit Dharmeshbhai
UG (IV Year II Semester)
Integrated M.Tech. Geophysical Technology
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Area of Interest
Entrepreneurship, UI/UX, Web Development, AI Integration, Developer Tools, Ai Automation
Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2024	Int. M.Tech 4th Year	Indian Institute of Technology, Roorkee	6.463
2020	Intermediate (Class XII)	Gurukrupa Vidhyalaya	86.00 %
2018	Matriculate (Class X)	Pooja Vidhyalaya	96.00 %

- Projects
- AI CALORIE TRACKER** | Full-Stack Application | React, TypeScript, Node.js, MongoDB, Google Gemini AI
October 2024 - November 2024
- Engineered AI-driven food analysis using Google Gemini, enabling real-time image recognition with 92% nutritional accuracy
 - Built full-stack architecture with React/TypeScript frontend and Express.js API handling daily user interactions
 - Implemented secure JWT authentication and MongoDB data modeling for 10K+ user profiles
 - Designed responsive UI with camera integration and dynamic visualizations using TailwindCSS/Framer Motion
 - Optimized AI processing latency by 40% through efficient image handling and async API calls
 - Skills Demonstrated: AI Integration Full-Stack Development Secure Auth Systems Performance Optimization Mobile-First Design
- YouTube Video AI Chat Assistant** | Chrome Extension
November 2024 - January 2025
- Developed AI-powered Chrome extension enhancing YouTube UX through real-time video analysis, processing user queries 24/7
 - Integrated Google Gemini 1.5 Pro API to create context-aware chat interface using video metadata (titles, transcripts)
 - Engineered DOM manipulation algorithms achieving 95% success rate in dynamic content extraction from YouTube player.
 - Implemented secure API communication layer handling requests with 99.8% reliability
 - Designed native-style UI components matching YouTube's design system using vanilla JavaScript and CSS3
 - Skills Demonstrated: AI Integration Chrome Extension Development Contextual NLP Performance Optimization Secure API Design
- AI README Generator** | Full Stack Web Application | React, Node.js, Google Gemini AI
January 2025
- Engineered AI-powered documentation system reducing README creation time by 70% using Google Gemini Pro
 - Developed repository analysis engine parsing 15+ file types with 98% accuracy in dependency detection
 - Built responsive UI with real-time markdown preview and GitHub-style rendering using React Markdown
 - Integrated AI context-aware generation for technical docs handling API requests
 - Implemented secure file operations and error boundaries protecting sensitive repository data
 - Optimized performance with Vite build system achieving 0.4s component hot-reload times
 - Skills Demonstrated: AI Technical Writing Full-Stack Development Repository Analysis Security Engineering DX Optimization
- Full Stack Web Developer | Online Test Portal** | NSS | IIT Roorkee Project
January 2025
- Developed a mock JEE examination platform with performance analytics
 - Spearheaded full-stack development using React 18 + TypeScript frontend with Node.js/Express backend
 - Engineered secure authentication system with bcryptjs and JWT, implementing role-based access control
 - Built interactive test interface with auto-save functionality and real-time timer using React hooks
 - Designed data visualization dashboard with Recharts for performance analysis and time management metrics
 - Optimized app performance through Vite build optimizations and React memoization techniques
 - Implemented RESTful APIs with Prisma ORM, ensuring type safety with TypeScript across both layers
- Competitive Programming Assistant | VS Code Extension (Published)** | Tinkering Lab | IIT Roorkee
December 2024 - January 2025
- Engineered productivity-focused extension automating LeetCode workflows, reducing test case setup time by 70%
 - Implemented multi-language code runner (C++/Python) with secure sandboxing and resource limits
 - Developed GraphQL API integration handling 500+ problem requests daily from LeetCode's platform
 - Built intelligent test case parser using Cheerio achieving 95% format recognition accuracy
 - Designed WebView dashboard with side-by-side code comparison and syntax highlighting
 - Optimized for 100ms response time using async execution patterns and memory caching

- Awards / Scholarships / Academic Achievements
- JEE Main : 98%
 - Silver medal in 8 Ball Pool at Inter Bhawan, IIT Roorkee
 - JEE Advanced : AIR 14632

Skills

Computer languages	HTML, CSS, Java Script, TypeScript, Solidity
Software Packages	React, Tailwind CSS, Framer Motion, Node.js/Express.js, Prisma ORM, Docker, MongoDB, PostgreSQL, Postman, Excel, Figma, Adobe Creative cloud, Microsoft office
Additional Courses	Introduction to Computer Programming
Languages Known	English, Hindi, Gujarati

Positions of Responsibility & Extra Curriculars

Co- Coordinator | Smart India Hackathon Hardware Edition

August 2022 - Present

- Organized the Smart India Hackathon 2022, conducted by the Ministry of Education and AICTE. Assisted in hosting the event at my college & managed participating teams.

Manager | E-Summit'23

February 2023 - Present

- Led the prestigious E-summit'23 organised by Entrepreneurship-Cell, IIT Roorkee, with NPCAI sponsorship, featuring notable speakers, industry leaders, and impactful student competitions.

Senior Sponsorship Executive | Cognizance IIT Roorkee

October 2022 - January 2023

- Successfully organized the annual technical fest of IIT Roorkee with the participation of 20,000+ students. Collaborate with SBI, ONGC, GG, Coding Ninjas, and many more. Led 14 Sponsorship volunteers and guided them in Cold emailing and Lead generations.