DEEPAK SAINI

DOB: 23 Dec 2005   JhunJhunu, Rajsthan

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Education

National Institute of Technology, Rourkela	**September 2023 – Present**
Bachelor of Technology in Civil Engineering (CGPA: 8.23/10)	*Rourkela, Odisha*

Parishkar Children Academy, Jhunjhunu	**2020 – 2022**
Intermediate (Percentage: 87.50%)	*Jhunjhunu, Rajasthan*

Parishkar Children Academy, Jhunjhunu	**2019 – 2020**
High School (Percentage: 91.50%)	*Jhunjhunu, Rajasthan*

Relevant Coursework

- Data Structures
- Web Development
- Databases
- OOPS
- Algorithms
- C++ Programming
- Machine Learning
- DBMS

Projects

Nutrition Tracker | *Next.js 13+, Subabase, TypeScript, Tailwind CSS, Gemini AI,Google-Auth*   **July 2025**
[Live] [GitHub]

- Designed UI with a mobile-first approach for a smooth phone experience.
- Built a personalized nutrition tracker with 5+ pages: Dashboard, Food Logging, Weekly/Monthly Reports, AI Health Assistant, and Profile.
- Integrated Gemini AI to detect 20+ foods from images, voice, and barcodes, returning nutrition facts instantly.
- Designed dynamic logging and analysis for 1000+ daily food entries with Subabase and real-time updates.
- Developed user feedback system to collect ratings and usefulness insights for continuous app improvement.

Hospital Management System | *Next.js 13+, Firebase, TypeScript, Tailwind CSS, Gemini AI*   **June 2025**
[Live] [GitHub]

- Designed a role-based system for 3+ user types (Doctor, Receptionist, Admin) with secure Firebase Auth.
- Enabled hands-free patient registration via Web Speech API, reducing input time by 60%.
- Integrated Gemini AI to suggest relevant medications from symptom keywords, boosting efficiency.
- Built a real-time dashboard to monitor 50+ daily appointments and user activities using Firestore.

Facial Expression Detection | *Python, Keras, TensorFlow, CNN*   **June 2025**
[GitHub]

- Built and trained a CNN model to classify 5+ facial emotions (happy, sad, angry, etc.) with 85% accuracy.
- Preprocessed 10K+ images using resizing and normalization for better model performance.
- Visualized loss and accuracy trends to evaluate and fine-tune the model.

Certificates and Achievements

Data Structures and Algorithms

Achieved a LeetCode contest rating of 1700 and solved 300+ DSA problems on the platform	[LeetCode Profile]
Secured a global rank of 1271 out of 26,000+ participants in LeetCode Weekly Contest 453	[Contest Ranking]

Technical Skills

Languages: C++, Python, HTML, JavaScript, TypeScript
Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Keras, TensorFlow
Databases: MongoDB, Supabase, Firebase
Tools & Platforms: Git, GitHub, AutoCAD, Vercel
Machine Learning / AI: Pandas, Scikit-learn, Matplotlib, Gemini API

Extracurricular Activities

Web Developer, CEST Club	**2023 – Present**
Team Member	*Rourkela, Odisha*

- Contributed to 3+ team web projects using Next.js, Firebase, and Tailwind.
- Improved performance and mobile UX, increasing site efficiency by 30%.