

# Saurabh

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## EDUCATION

**Indian Institute of Information Technology Vadodara - ICD**  
*Bachelor of Technology in Computer Science and Engineering*

Diu, India  
October 2022 - May 2026

## PROFESSIONAL EXPERIENCE

### Nervesparks

*Software Development Engineer Intern*

New Delhi, India  
March 2025 - August 2025

- Engineered **AI-powered Teaching Agent** using **RAG architecture** and **FastAPI**, processing **1000+ page PDFs** and web content to generate **mind maps**, chat-based learning modules, and **50+ high-quality questions** with solutions, **boosting personalized learning by 65%**
- Spearheaded frontend architecture for **offline GPT-based React Native mobile application**, executing secure local model deployment and enhanced user interface, achieving **40% improvement in user engagement**
- Architected **multilingual PDF translator** leveraging **Flask and Python**, maintaining **95% layout accuracy** while enabling translation into **30+ languages**, expanding document accessibility by **70%**

### Connexa (Kasparov Consulting Pvt. Ltd.) | Certificate

*Tech Intern*

Bengaluru, India  
June 2024 - Aug. 2024

- Constructed global professional search tool using **Next.js and Flask** with advanced filtering capabilities (**industry, company size, location**), processing **100+ queries per minute**, enhancing search speed by **30%** for **1M+ professional database**
- Deployed **AI-powered email automation system** using **OpenAI API**, generating and dispatching **1,000+ personalized job-specific emails weekly** with verified contact information, boosting response rates by **25%**
- Designed **scalable distributed backend infrastructure** managing **2,000+ daily requests** with real-time analytics, collaborating with **agile development team of 5-10 developers** to optimize project execution by **20%**

## PROJECTS

### SmartGenie AI | GitHub | Live Demo | React, Node.js, Express, RAG, Docker

Jan 2025 – Feb 2025

- Developed **full-stack AI Software as a Service platform** using **React and Express.js**, featuring **AI image generation, website summarization, and LLM Chat** with **90% uptime** and **500ms API response times**
- Integrated **real-time AI chatbot functionality** and **AI-driven web scraping system** with information retrieval techniques for web content summarization in under **20 seconds**
- Established **automated short video creation system** with audio narration using **FFMPEG** and launched **credit-based payment system**, increasing user retention by **40%**

### ChatSpark | GitHub | Live Demo | WebSocket, React.js, Node.js, MongoDB

June 2024 – July 2024

- Built **real-time chat application** with **instant messaging, multimedia file sharing, and online status indicators** using **WebSocket technology**, resulting in **20% increase in daily active users**
- Executed **comprehensive friend request system** with **real-time browser notifications** for messages and connection requests, achieving **20% higher user retention** and facilitating **200+ friend connections**

## TECHNICAL SKILLS

**Programming Languages:** C, C++ (Proficient), JavaScript, TypeScript, Python

**Frameworks and Technologies:** HTML5, CSS3, React.js, Next.js, Express.js, MongoDB, MySQL, Flask

**Developer Tools:** VS Code, Git/GitHub, Postman, Docker, CI/CD (GitHub Actions)

**Coursework:** DBMS, Object-Oriented Programming-design, Computer Networks, Operating system, DSA, AI

## ACHIEVEMENTS & CERTIFICATIONS

- Solved **950+ questions** on LeetCode and **1800+ questions** across all coding platforms July 2025
- Achieved an outstanding **Global rank of 529** in LeetCode Biweekly Contest 156 May 10, 2025
- Secured an impressive **Global rank of 1384** in Meta Hacker Cup Round 1 October 5, 2024
- Highest **Global rank 80** in CodeChef Starters 110 Division-3 November 29, 2023

## CODING PROFILES

**LeetCode:** [sasaurabh11](https://leetcode.com/sasaurabh11) [Max Rating: **2022 - Knight**] (top 2.3%)

**Codechef:** [sasaurabh11](https://www.codechef.com/users/sasaurabh11) [Max Rating: **1804 - 4 Star**] | Global rank : **5996(out of 233000)**

**Codeforces:** [sasaurabh11](https://codeforces.com/profile/sasaurabh11) [Max Rating: **1448 - Specialist**] | Problem solved : **500+**