

DIVYANSH AGRAWAL

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Education

Indian Institute of Information Technology Kota


Bachelor of Technology in Computer Science

Nov 2022 – Present

CGPA: 8.79 (Till 6th Semester)

Experience

HacktheChain 2.0 – IIIT Kota

Feb 2024 [Link](#) 

Team Express Emergency Engineers

- Developed a **web-based Emergency Response System** that reduced response times by **25%**, and was recognized among the **Top 10 of 40+ teams** for innovation in crisis management.
- Optimized system architecture and workflows, enhancing performance by **30%**, which improved user navigation and efficiency of emergency handling.

Projects

MERN-CHAT – Real-Time Chat Application

Sep 2024 [Live Link](#) 

Tech Stack: MERN, Socket.IO, JWT, Cloudinary

- Built a comprehensive **real-time chat platform** using MERN stack with **Socket.IO** for instant messaging, supporting secure JWT-based authentication and session management with bcryptjs password hashing.
- Implemented advanced features including **profile management with Cloudinary** image uploads, dynamic light/dark themes, responsive mobile-desktop UI, and **Zustand state management** for optimal performance.
- Designed modern UI with **DaisyUI components**, toast notifications, and seamless navigation delivering engaging user experience across all devices.


CartMantra – Full-Stack E-Commerce Platform

Jan 2025 [Live Link](#) 

Tech Stack: MERN, Stripe, Redis, Recharts

- Developed a complete **e-commerce solution** with secure authentication system using JWT tokens, product & category management, shopping cart functionality, and **Stripe payment integration** with coupon code system.
- Built comprehensive **admin dashboard** featuring sales analytics with Recharts, product management, and user analytics, integrated with **Upstash Redis caching** for optimized performance.
- Implemented modern UI with **Tailwind CSS**, Framer Motion animations, Cloudinary image uploads, confetti checkout animations, and responsive design ensuring seamless shopping experience.

Text Similarity Recommender App

Apr 2025 [Live Link](#) 

Tech Stack: Python, Streamlit, NLTK, scikit-learn, Pandas, Matplotlib

- Developed a **Streamlit-based web application** for text similarity analysis using **TF-IDF** with unigrams and bigrams combined with **cosine similarity** to recommend related documents.
- Implemented robust **text preprocessing pipeline** including lowercasing, punctuation/number removal, tokenization, lemmatization, and stopword removal.
- Added features such as **interactive bar charts**, category previews, and **CSV export** of results to enhance usability.
- Designed intuitive **sidebar-based UI** enabling document exploration, similarity search, and visualization for efficient user interaction.

Technical Skills

Programming Languages: Python, C, C++, JavaScript, HTML, CSS, SQL

Frontend: React.js, Tailwind CSS, Bootstrap, DaisyUI, Framer Motion

Backend: Node.js, Express.js, MongoDB, Socket.io, REST APIs, JWT, Stripe, Redis

Developer Tools / Platforms: VS Code, Anaconda, Postman, Git/GitHub, Google Cloud Platform, Render

Libraries / Data Handling: NumPy, Pandas

Relevant Coursework

- Data Structures
- Database Management
- Computer Networks
- Artificial Intelligence
- Operating Systems
- OOPS

Competitive Programming

- **CodeChef**: Achieved a peak rating of 1500 by solving 115+ algorithmic challenges, demonstrating strong skills in **DSA and problem-solving** - Profile
- **LeetCode**: Secured a rating of 1830 with 450+ problems solved, placing among the **top 6.47% globally**, highlighting proficiency in **data structures, algorithms, and coding efficiency** - Profile
- **GeeksforGeeks**: Reached a top rating of 1570 by completing 200+ algorithmic problems, emphasizing competence in **DSA concepts and logical reasoning** - Profile
- **Code360**: Earned a rating of 2158 through 300+ problem solutions, demonstrating **advanced problem-solving skills** and readiness for technical interviews - Profile

Achievements

Selected among the **Top 10 teams** out of 40+ in **HacktheChain 2.0** (IIIT Kota) for exceptional innovation in emergency management solutions.

Earned **7 LeetCode badges**, including the distinguished **100 Days Badge**, demonstrating sustained mastery of algorithmic challenges.

Acquired **25 badges** on Naukri Campus for comprehensive skill development across various technical domains.

Achieved **70+ badges** on Google Arcade, earning placement in the elite Diamond League - Profile.

Won **Bronze Medals** in the **National Science Olympiad** and **French Olympiad**, highlighting analytical problem-solving and top-ranking performance among thousands of participants.