

KARAN DUGAR

Kolkata, West Bengal

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EDUCATION

B.Tech CSE with spec. in Information Security | Vellore Institute of Technology, Vellore

Sep 2022 - Present

CGPA: 8.81

12th ISC | St. James' School, Kolkata

Mar 2021 - May 2022

Percentage: 96.5

10th ICSE | St. James' School, Kolkata

Jul 2019 - Jul 2020

Percentage: 93.6

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, Java, C, C++, HTML, CSS, TypeScript, SQL, R, ARM
- **Frameworks/Databases:** Next.js, Node.js, React.js, React Native, Tailwind CSS, MongoDB, Express.js, Framer Motion
- **Tools/Software:** Git, GitHub, VSCode, Vercel, Figma, Adobe Premiere Pro, Adobe Photoshop, Framer

PROJECTS

GenCode [\[Live\]](#) [\[Frontend\]](#) [\[Backend\]](#)

July 2025 – Present

- Built **GenCode**, an AI-driven platform to generate and solve competitive programming questions based on user-defined prompts.
- Integrated **Gemini 2.5 Flash** to generate high-quality coding problems, and **Judge0** for real-time code execution and validation across multiple languages.
- Developed a full-stack solution using **React.js**, **Node.js**, **Express**, and **MongoDB**, with JWT-based authentication and RESTful APIs.
- Designed an interactive UI with **Split JS** and syntax-highlighted editor - **Monaco** to emulate a **LeetCode-like** problem-solving experience.

Quiztelify [\[Live\]](#) [\[GitHub\]](#)

May 2025 – Present

- Created **Quiztelify**, a platform allowing users to practice NPTEL quizzes through both curated course data and custom PDF uploads, enhancing preparation efficiency.
- Developed a seamless interface using **React** and **Framer Motion**, optimizing user flow through micro-interactions and modern transitions.
- Employed **Gemini 2.0** and **2.5 APIs** in tandem to accurately extract and transform quiz data from PDF structures, solving token limits and response truncation challenges.

FFCS by CodeChef-VIT [\[Live\]](#)

June 2024 – Present

- Played a key role in building the frontend of **ffcs.codechefvit.com**, which simplifies VIT's course registration system with real-time filtering and visualization.
- Implemented dynamic UIs using **Next.js**, **Tailwind CSS**, and animated transitions via **Framer Motion** to improve usability and accessibility.
- Contributed to a tool that helped over **8,000+ students** navigate registration, earning positive reception.

WORK EXPERIENCE

Thal.E

May 2024 - Jun 2024

UI/UX Designer/Frontend Developer

- Designed over 30 consistent, scalable UI components and fine-tuned user experience flow using **Figma** and **Framer**, aligned with the company's visual identity.
- Brought designs to life using **Next.js**, optimizing rendering speed and responsiveness across devices and screen sizes.

CERTIFICATIONS & AWARDS

AWS Certified Cloud Practitioner [\[Credential\]](#)

Aug 2024 – Aug 2027

2nd Place – Code4Change Hackathon, VIT Vellore

Oct 2024

POSITIONS OF RESPONSIBILITY

CodeChef-VIT

Mar 2023 - Present

Chairperson

- Directed the planning, execution, and promotion of **DevSOC'25**, one of India's largest student-led hackathons, managing over 1,000 attendees, sponsors, and cross-functional teams.
- Contributed to the Web and Design team for Gravitas'24, deploying robust and visually polished event sites that handled over **25,000+ visitors**, enabling 500+ registrations for **CookOff 9.0** and 350+ for **Clueminati 2.0**.