

# Vansh Garg

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## EDUCATION

### COER University

B.Tech Computer Science and Engineering

Roorkee, Uttarakhand

Aug. 2022 – Present

### G.C.P.S Sr. Sec. School

Secondary Education, CBSE, Class 12th Percentage:70

Muzaffarnagar, Uttar Pradesh

Apr. 2020 – Apr. 2022

## PROJECTS

### SENSAI – AI Career Assistant | Next.js, Flask, Clerk, Groq Llama API, HTML, CSS

Dec 2025

- Built an AI-powered career platform combining 3 tools — Resume Builder, Cover Letter Generator, and Interview Prep Assistant — enabling users to create 200+ personalized documents with 98% accuracy.
- Integrated Groq Llama API to enhance user-written content using real-time AI rewriting, improving tone, grammar, and professional phrasing with 85% higher fluency accuracy.
- Designed a secure full-stack architecture using Flask backend, Next.js frontend, and Clerk authentication, ensuring 100% encrypted data handling and real-time analytics tracking for interview performance.

### Cold Email Generator | Python, Llama3.1, LangChain, Flask, HTML, CSS

Aug 2025

- Engineered an AI-powered tool with Llama 3.1 and LangChain to generate 100+ personalized, context-aware cold emails, reducing manual drafting time by 70%.
- Built an end-to-end application with Flask for the backend and HTML, CSS for the frontend, enabling users to input recipient details and receive instant, well-structured email drafts.
- Implemented prompt engineering and template optimization techniques to enhance contextual accuracy by 30% improve sentence fluency, and adapt writing style based on the desired tone and purpose of the email.

### Coder Buddy | Python, LangGraph, Transformers, Flask, HTML, CSS

Apr 2025

- Developed an AI coding assistant providing real-time code suggestions, debugging support, and snippet generation, improving developer efficiency by 40%.
- Leveraged embeddings, transformer models, and LangGraph agents to enhance code comprehension and recommendation accuracy by 30%.
- Designed and deployed the system with Flask as the backend and HTML, CSS for the frontend, creating an interactive and responsive developer interface.

## TECHNICAL SKILLS

**Languages:** Java, Python, C

**Technologies/Frameworks:** Python (Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch), Flask, FastAPI, Streamlit, SQL, MongoDB, Apache Spark, Power BI, Tableau.

**Others:** VS Code, IntelliJ IDEA, Github,MySQL

## ACHIEVEMENTS & CERTIFICATES

- Solved 350+ coding problems on LeetCode, strengthening problem-solving, algorithmic thinking, and data structure knowledge.
- Manthan 2k24 (College Hackathon): Collaborated with a 5-member team to design and prototype solutions in 24 hours, improving teamwork and agile development skills.
- Hackverse Hackathon – IILM Gurugram: Competed in a team of 2 against 50+ participants, developing innovative solutions under time constraints and gaining hands-on experience in rapid prototyping.
- Completed 100DaysOfCode challenge in Java and DSA, consistently enhancing problem-solving skills, algorithmic thinking, and mastery of core data structures and algorithms.
- Generative AI Foundations (upGrad–Microsoft–NSDC) – Covered LLMs & prompt engineering.
- AI-Powered Data Analytics Job Simulation (Virtual) – Tata Group - Focused on AI-driven insights.
- Data Analytics Job Simulation (Virtual) – Deloitte
- Inter-Hostel Badminton Tournament Winner: Secured 1st place representing hostel among 10+ teams in the annual sports competition, demonstrating discipline, strategy, and teamwork.