Raunak Sawa
B.Tech – Computer Science Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Vellore Institute of Technology, Vellore	9.34	2023-Present
CBSE	Nalanda Academy, Kota	83.60%	2023
ICSE	Hilltop School, Jamshedpur	96.40%	2021

AWARDS AND ACHIEVEMENTS

- Ranked among the **top 6 percentile** out of **1 million candidates** in Joint Entrance Examination Mains held in January 2023.
- Top **5% among 5000+** students after first-year, earning a **Department Change** to Computer Science Engineering, with a cumulative CGPA of **9.56**.
- Received a **Merit Scholarship Award** for securing **Rank 1** in my previous branch of engineering (ECE).

PROJECTS

Futurepreneurs 10.0 Website | Technical Team Member   *Nov 2024 - Dec 2024*
Objective:Developed a registration and quiz platform for Futurepreneurs 10.0, serving over 2,200 students.

- Created a **full-stack web portal** using **Next.js, HTML, and CSS,** optimizing the registration workflow**.**
- Implemented dynamic **team formation via system-generated codes**, ensuring seamless collaboration and access.
- Designed and deployed Round 0 **quiz module** with **MongoDB**-backed storage, ensuring scalable access.
- Contributed in building Round 1 as a real-time bidding system utilizing **WebSockets** for synchronized, **multi-user interactions.**

MediBot | AI-Powered Medical Chatbot   *May 2025- June 2025*
Objective:Built a context-aware chatbot to address medical queries using advanced NLP and real-time capabilities.

- Developed the chatbot leveraging **LangChain, FAISS, Hugging Face Transformers, and LLMs.**
- Secured user access via **Google OAuth2, integrated** with **Express and MongoDB** for **authentication.**
- Crafted a responsive frontend using **React, Tailwind CSS** and **Framer Motion** for a smooth UX.
- Enabled **real-time conversations** with persistent user sessions and scalable backend **architecture.**

E-Summit Website | Technical Team Member   *Feb 2025- Mar 2025*
Objective: Built a registration portal and event management platform for E-Summit, managing over 4500 registrations

- Engineered a robust full-stack solution using **TypeScript, Next.js, MongoDB, HTML, and CSS.**
- Enabled **student-led team creation** with automated code generation for easy team management.
- Built an **interactive Round 0 quiz** to assess foundational knowledge of participating teams.
- Implemented a live **Round 1** challenge powered by **WebSockets** for real-time decision-making.

TECHNICAL SKILLS

Programming and Scripting languages: C, C++, Python, JavaScript, TypeScript, MATLAB, Java, HTML, CSS
Tools and Platforms: MongoDB, Git/GitHub, Streamlit, FAISS, Vercel, Render
Frameworks and Libraries: Next.js, React.js, Express.js, LangChain, Hugging Face Transformers

CERTIFICATIONS & COMPETITIONS

Generative AI using IBM Watsonx | IBM Skills Developer   *May 2025 - June 2025*

- Completed **Generative AI using IBM Watsonx**, issued by **IBM & Adroit Technologies** – **Scored 96/100.**
- Covered **foundation models**, **prompt engineering**, and **GenAI application workflows.**
- Built and deployed **GenAI apps** using **Watsonx.ai Studio**, **Prompt Lab**, and **IBM Cloud APIs.**
- **Codeforces:** Achieved a peak rating of 1110 ,with a highest global rank of #5712 in Codeforces Round 1038.
- **Codechef:** Achieved rating of 1487 (2*), with global ranks of #470 (Starters 190) and #471 (Starters 196) Competition.

POSITION OF RESPONSIBILITY

Senior Technical Executive | Entrepreneurship Cell, VIT Vellore   *Jan 2024 – Mar 2025*

- Organized 2 **flagship** events of our club attracting over **6000**+ students combining both the events.

Volunteer for Halls and Refreshments Department for our College Fest Riviera '25.