

Nayan Verma

Third Year Undergraduate
Department of Civil Engineering

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2022 - Present	Bachelor of Technology	Indian Institute of Technology Kanpur	7/10.0
2022	CBSE (XII)	Boston Public School, Agra	92%
2020	CBSE (X)	Subodh Public School, Jaipur	88.4%

WORK EXPERIENCE

AI Trainer - Freelancer (Soul AI) (November'24 - Ongoing)

- Developed and fine-tuned AI prompts worked on **Project Nebula**, enhancing model performance and user interaction quality.
- Contributed to the **Nightingale RLHF Coding** project, improving AI response accuracy through Reinforcement Learning.
- Implemented prompt optimization strategies, resulting in a **15% increase** in conversational relevance and engagement.

Open-Source Contributor (GirlScript Summer of Code (GSSoC)) (September'24 - November'24)

- Worked on Projects and improved website functionality by **20%** through effective bug resolution and troubleshooting.
- Optimized code to improve the loading speed and responsiveness of the website **by 30%**, providing a better user experience.
- Addressed **15+ UI/UX issues**, introducing innovative features that increased user engagement by **20%**.

KEY ACHIEVEMENTS

- Proficient in algorithms and programming, having solved **600+** problems on coding platforms like Leetcode and Codeforces.
- Secured **2nd rank** in the Quiz Manthan among 700 participants, organized by the Indian Institute of Technology, BHU.
- Finalist in the **Clash of Codes Hackathon** among 800 participants, organized by the Indian Institute of Technology Madras.
- Secured **11th rank** in the coding round of Brain Battle Season 2, competing among 600 teams by Coding Junction.
- Achieved a top **10% rank** by securing **All India Rank 4797** in the **KVPY Test 2021**, among 50,000 candidates.

KEY PROJECTS

J.P. Morgan Software Engineering Virtual Experience (J.P. Morgan, Forage) (July '24 - Aug '24)

- Set up a local development environment by downloading the necessary files, tools, and dependencies.
- Fixed broken files in the repository to ensure the web application output correctly.
- Utilized JPMorgan Chase's open-source library, **Perspective**, to generate a real-time live graph displaying a data feed.
- Provided traders with a clear, interactive, visually appealing monitoring tool to track market trends.
- Tech stack involved:** Perspective library, debugging and troubleshooting skills, ensuring reliability and functionality.

Mini Expense Tracker (Self-Project) (May'24 - June'24)

- Built a Mini Expense Tracker using ReactJS and Node.js with **JWT-based authentication** for secure user management.
- Implemented **CRUD operations** with expense filtering, pagination, and category-based insights.
- Designed a **spending insight feature** with back-end logic for efficient expense analysis and visualization using charts.
- Tech stack involved:** React, Node.js, Express, MongoDB, JWT, Chart.js, and Vercel deployment.

HealthSync Application (Self-Project) (February '24 - March '24)

- Developed a Health Tracker application using React to log **daily health metrics** featuring real-time updates.
- Tracked metrics including **steps, calories burned, and sleep hours** with data visualization through chart.js.
- Implemented **CRUD operations** for health records, ensuring data persistence via local storage.
- Tech stack involved:** React, chart.js, react-chartjs-2, local storage for data persistence, with thorough testing.

TECHNICAL SKILLS

Proficient At:	C, C++, Python, JavaScript, Reactjs, Node.js, Express, JWT, MySQL
Developer Tools:	Git, L ^A T _E X, AutoCAD, Dask, Google Colab, Jupyter Notebook
Financial Tools:	Financial Statement Analysis , Financial modelling, DCF, Modelling

POSITIONS OF RESPONSIBILITY

Mentor (Society of Civil Engineers) (May'24 - Ongoing)

- Leadership:** Mentored the Society of Civil Engineers in implementing the **Efficient Data Management System (EDMS)**.
- Technical Guidance:** Showcased practical applications and guided the team in optimizing data storage.
- Data Management:** Assisted in **efficient data retrieval** and manipulation using hash tables, trees, and various algorithms.
- Performance Analysis:** Emphasized performance analysis by evaluating time and space complexity.

Secretary (Hospitality and Transport, IIT Kanpur) (August '23 - February '24)

- Leadership:** Organized remote online competitions in Dance, Music, Dramatics, and Literature for Antaragni'23.
- Teamwork:** Coordinated with the team to manage over **10,000 registrations** from colleges across India.
- Communication:** Engaged with **1800+ participants**, ensuring smooth execution and participant satisfaction.

EXTRA-CURRICULAR ACHIEVEMENTS

- Secured the **bronze medal** while representing Hall-5 in football in **Freshers Inferno 23** showcasing athletic skills.
- Volunteered at **Pawzz Organization**, successfully raising funds to feed over **350 stray dogs** through compelling pitches.