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	**6.9**/10.0
2022	CBSE (XII)	Boston Public School, Agra	92%
2020	CBSE (X)	Subodh Public School, Jaipur	88.4%

WORK EXPERIENCE

Freelancer - Prompt Engineer (**Soul AI**)   (*November'24 - December'24*)

- Developed and fine-tuned AI prompts, 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*)

- Improved website functionality by **20%** through effective bug resolution and troubleshooting.
- Optimized code to enhance website **load speed and responsiveness by 30%**, providing better user experience.
- Addressed **15+ UI/UX issues**, introducing innovative features that resulted in a **20% increase in user engagement**.

KEY ACHIEVEMENTS

- Proficient in algorithms and programming, having solved **500+** 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 **1% rank** by securing **All India Rank 4797** in the **KVPY Test 2021**, among 50,000 candidates.

KEY PROJECTS

HealthSync Applicaation (Self-Project) ⌗   (*May '24 - June '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.

BudgetBuddy Application (Self-Project) ⌗   (*July '23 - December '23*)

- Developed an Expense Tracker application using React, with functionalities to **add, edit, and delete expenses**.
- Implemented a **total expense calculator** to provide real-time financial insights, helping users track their expenses.
- Achieved data persistence through **local storage**, enabling users to maintain their expense records across sessions.
- **Tech stack involved:** React, JavaScript, HTML, and CSS to build a robust, interactive, and appealing application.

TECHNICAL SKILLS

Proficient At:	C, C++, Python, JavaScript,Reactjs, Microsoft Office
Developer Tools:	Git, LaTeX, AutoCAD, Dask, Google Colab, Jupyter Notebook
Financial Tools:	Financial Statement Analysis , Financial modelling, DCF, Modelling

RELEVANT COURSES   O (ONLINE)

Linear Algebra and ODE	Single Variable Calculus	Fundamentals of Computing
Applied Probability and Statistics	Introduction to Electronics	Git And Github Course (O)
Introduction to Data Analysis with Microsoft Excel (O)	Data Science with Python (O)	Business Analysis and Process Management (O)

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.