Aditya Pratap Singh

B.Tech – Mechanical Engineering
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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2022-Present	B.Tech- ME	NIT, Trichy	8.05
2021	Class XII	Patel Saraswati Vidya Mandir Inter College, Kanpur, UP Board	88.8%
2019	Class X	Patel Saraswati Vidya Mandir Inter College, Kanpur, UP Board	92.33%

Academic Achievements

- Stood among the topper for my school academics in X and XII grade in 2019 and 2021.
- Secured **Rank 20** in **World Quant Competition** in the first year of my college conducted by World Quant Finance Management firm in August 2023.

Practical Experience

- **Research Consultant at World Quant**:   *Oct 2023-Till Now*

  As a research consultant at World Quant, I harness data analysis to create groundbreaking financial strategies. My role involves deep dives into market trends, using statistical and machine learning tools to build and refine trading models. Collaborating with teams, I decode intricate data, improve existing models, and innovate new algorithms, elevating investment methodologies. I meticulous research provides crucial insights, shaping strategies that optimize decision-making in the global financial landscape. My contributions play a pivotal role in advancing quantitative methodologies, positioning World Quant at the forefront of algorithmic trading and financial innovation within your context.

Projects

- **Jotion:**   *Nov 2023*
  A bespoke Notion clone revolutionizing organization and productivity. Offering a versatile workspace, it enables seamless collaboration, note-taking, task management, and content organization. Users can create databases, charts, and multimedia-rich pages effortlessly, fostering efficient project planning and documentation. Jotion's intuitive interface supports team collaboration. Tailored for diverse needs, it enhances personal and professional organization, empowering users to streamline workflows, brainstorm ideas, manage tasks, and compile resources. This project was developed using Nextjs, Convex as database.

- **Expense Tracker:**   *Oct 2023*

Developed an intuitive expense tracker app enabling seamless financial management. Allows users to effortlessly log, categorize, and track expenses, providing insightful reports. Features a user-friendly interface, ensuring efficient budget monitoring and informed financial decisions. This project was developed using Reactjs and Firebase database and deployment.

- **Real Time Chat App:** *Dec 2023*
  Crafted a real-time chat application facilitating instant communication. Employs WebSocket technology for live messaging, supporting multiple users in concurrent conversations. Offers a sleek interface, message encryption, and notification features, enhancing seamless and secure user interactions across diverse platforms. Built using Nextjs, Firebase as database and deployment and WebSocket.io.

Technical Skills and Certifications

- Programming Languages   : C++, Python, JavaScript
- Development Languages   : Reactjs, Nextjs, MongoDB and firebase
- Engineering Software   : MATLAB
- Other Software   : Microsoft Word, PowerPoint, Excel, Visual Studio

Positions of Responsibility

- **Coordinator, Exhibitions Team, Pragyan :** *Oct 2023 - Present*

  Worked as a Coordinator of Organising Committee of Pragyan'19, an international techno-management festival of NIT Trichy. As a part of **Inventory** team the work specifically involved in arrangement of various requirements (tables, chairs etc.) for an event to be conducted. And worked in other teams of Organising Committee such as Disciplinary Committee (Disco) and Venue Management Team (VMT).

- **Coordinator, WebOps Team, Synergy:** *Nov 2023 - Present*

  Working as a Coordinator and software developer in WebOps Team of **Synergy,** the National level technical symposium of department of Mechanical Engineering, NIT Trichy. The symposium succeeded with a footfall of **2000 students** for the year 2020.

- **Quantitative Researcher, Quant Team, ProfNITT:** *Nov 2023 - Present*

  As a Quantitative Analyst at ProfNITT Club, I apply statistical and mathematical models to analyze financial data. Utilize Python and financial tools for data-driven insights, aiding in investment strategies. Collaborate with a team to develop quantitative models, enhancing understanding and application of financial markets within the college community.

Extracurricular Activities

Social Activities:

- A volunteer under the NSS, NIT Trichy, which aims at providing social services like individual attention and education and education to students with below average schooling.