

# ARSHAN KAUDINYA

[arshankaudinya@gmail.com](mailto:arshankaudinya@gmail.com) | [GitHub](#) | [LeetCode](#) | [LinkedIn](#) | Chennai | New Delhi

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## PROFILE SUMMARY

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A dedicated individual with a knack for **tackling complex challenges** using **Python, JavaScript and C/C++**. Built projects like a **thrift marketplace**, a **sorting visualizer**, and a **Discord moderation bot**, reflecting innovative thinking and adaptability. Highly skilled at delivering outstanding results in **high-pressure situations**, combining curiosity and creativity to **consistently outperform** typical expectations and set a **higher standard** in development.

## EDUCATION

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**Vellore Institute of Technology** July 2024 – May 2028  
Bachelor of Technology – Computer Science and Engineering **CGPA: 8.3**

**Mount Carmel School, New Delhi** April 2012 – April 2024  
P.C.M. with Computer Science  
Founding President – Programming Club | Class Graduation Speaker | Shanti House Captain

## PROJECTS

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**Online Marketplace** | *React.js, Django, Supabase, Next.js* November 2024

- Created a **full-stack online marketplace** where users can securely buy, sell, and request items within their local area. Used **React.js** to build a responsive and well-designed interface.
- Set up **RESTful APIs** with **Django** to handle backend operations like product management and pagination. Incorporated **PostgreSQL** to ensure reliable and efficient **data handling**.
- Enhanced the website by migrating to **Next.js**, using **Supabase** as a scalable backend solution, and deploying on **Vercel**, significantly improving both user experience and development efficiency.

**Discord Chat Moderation Bot** | *Nextcord.py* April 2024

- Built a **chat moderation bot** with discord.py and nextcord.py, which helped users to handle moderation and entertainment **tasks via simple text-based commands** in chat.
- Worked on challenges related to **user experience**, where I **automated complex tasks** to enhance member experience and reduced the time to complete them to just a few seconds.
- Developed commands to **streamline tasks** for both Discord users and administrators, with plans to integrate music, twitter, and other advanced features to enhance the bot's capabilities.

**Sorting Visualizer** | *React.js, Sorting Algorithms* | [Link](#) August 2024

- Made a **sorting algorithm visualizer** with smooth animations and interactive elements, **simplified algorithm comprehension for the audience** through an intuitive design.
- Learnt **React.js to optimize development**, used **GitHub workflows** for version control, and ensured seamless deployment of the project across platforms with GitHub pages and branching.
- Worked on algorithmic logic interpretation, where I used **DOM manipulation** for animations, and **React hooks** to manage state and rendering cycles effectively on the webpage.

## EXTRACURRICULAR EXPERIENCE

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**IEEE Computer Society – Joint Management Lead:** Key role in planning and organizing large-scale events and projects involving 500+ participants, lakhs of rupees in prizes, while actively contributing to brainstorming, ideation, and the design of technical projects, leading a team of 100+ members.

**Microsoft Innovations Club – Entrepreneurship Department:** Participated in case studies, analysing real-world problems and proposing innovative solutions, while building startup decks, developing new ideas, and gaining experience in merging entrepreneurial and technical concepts for impactful projects.

**Shanti House Captain & Programming Club President (School):** Directed a house of 300+ students to top scores in inter-house competitions while managing daily operations, and founded the programming club, recruiting and mentoring the first cohort with a focus on curiosity and problem-solving.

**Theatre Club:** Performed as the main character in the Golden Jubilee musical at Thyagraj Stadium (700+ audience per day) and in the first post-COVID annual day (1,000+ total audience), while also hosting events and mentoring juniors on stage presence and performance skills.

## SUPPLEMENTARY PROJECTS

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### Reddit Scraper

- Built a reddit scraper to **analyse trends** in the mention **of certain stocks** in r/IndianStockMarket to study how a change in mentioning of a certain stock **reflects in the market**.

### Personal Portfolio

- Experimented with **Three.js** and finally built a **sleek portfolio** to represent myself using a webpage, one of my first projects which lead to my curiosity in development.

## SKILLS

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| · Python (Advanced) | · C/C++        | · JavaScript & React  |
| · Git & GitHub      | · RESTful APIs | · Firebase & Supabase |
| · DSA               | · Analytics    | · Data Science        |