

Vatsal Chawla

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Education

Punjab Engineering College <ul style="list-style-type: none">B.Tech in Computer Science CGPA: 8.3 (up to 4th sem)Relevant Coursework: Operating Systems, Data Structures, Algorithms, AI & ML, Computer Networks	Chandigarh 2021 - 2025 (Expected)
Guru Nanak Public School <ul style="list-style-type: none">Class 12th 93.4%	Chandigarh 2021
Delhi Public School <ul style="list-style-type: none">Class 10th 97.2%	Chandigarh 2019

Skills

Languages: Python (proficient), Experience with C++ & JavaScript

Technical Skills: Strong grasp of Data Structures & Algorithms (arrays, linked lists, trees, graphs, DP), Familiarity with Machine Learning

Web Development: Proficient in HTML, CSS (including Bootstrap & MaterialUI), Experience with ReactJS

Other Skills: Linux, OOPS, DBMS, Arduino, GitHub, & Git

Soft Skills: Leadership, Event Management, Problem-Solving, Teamwork, Fluent in English & Hindi, Excellent Time Management

Projects & Experiences

FinPower Personal Finance Tracker	April 2023 Solo Project
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- Tech Stack:** HTML, CSS, JavaScript, ReactJS, MaterialUI
- Implemented basic **CRUD operations**, enabling users to track their expenses and manage their financial data conveniently.
- Incorporated **detailed statistics** and **visually appealing pie chart visualizations**, providing users with insightful data analysis and a comprehensive overview of their spending habits.
- Integrated **Google Login** authentication and **light/dark mode** switching.

Drizzle Weather Forecast CLI Tool	GitHub Co-pilot Hackathon June 2023 Team Project
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- Tech Stack:** Python, Python libraries (matplotlib, pystray & schedule), PIP
- Utilizes reliable and precise weather data from the **OpenWeatherMap API** for accurate forecasts.
- Leveraged the **Matplotlib library** to create visually compelling graphs, enabling seamless comparison of weather data across multiple cities and enhancing data interpretation for users.
- Enhanced user experience with **advanced features**, including data caching, periodic notifications, auto-updates in the background, and a convenient system tray icon.

Positions of Responsibility

Orientation Committee Joint Head	Nov 2022
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Coordinated with a team of 10+ members to plan, coordinate, and execute successful events for 130+ students. Skills include teamwork, event management, communication, and leadership.

Implementation Body Entrepreneurship & Incubation Cell	Aug 2022 - June 2023
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Skills: Frontend Development, Creative Thinking, Problem-Solving, Planning

- Managed and executed a successful IPL Auction Event with 500+ participants. Developed a user-friendly ReactJS Frontend for streamlined player bidding.
- Delivered a captivating video presentation to 100+ attendees on Independence Day 2022.

Member Student Counselling Cell	April 2022 - Present
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Skills: Interpersonal Skills, Communication

- Demonstrated exceptional interviewing skills to onboard over 25 new members. (Dec 2022)
- Successfully coordinated entertaining activities for 100+ students during PECFEST 2022

Achievements & Co-curriculars

JEE Mains 2021 - 99%tile | Treasure Hunt - 1st Position (Chitkara Int'l, 2019)

National Cyber Olympiad - 3rd Position (Inter-School) | Active participant in inter-school athletic championships