VANSH PRATAP SINGH

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EDUCATION

Bachelor of Engineering, Computer Science	**Mohali, India**
Chandigarh University	**2023-Present**
CGPA: 8.0	
Class 12th CBSE	**Shamli, India**
St. R.C. Scientific Convent School	**2022-2023**
Percentage: 85%	
Class 10th CBSE	**Shamli, India**
St. R. C. Scientific Convent School	**2020-2021**

PROJECTS

- **DISHA: REAL TIME DISASTER MANAGEMENT SYSTEM**
  Description: Developed an AI-powered platform for disaster management featuring Predictive Analysis for secondary disasters.
  Technology Used: React.js, Node.js, Express.js, MongoDB, APIs, Python, TensorFlow.
  Impact: Disaster response efficiency and improved real-time data analysis and alerts for affected regions.

- **PSYDUCK: DIGITAL WELLBEING MONITORING EXTENSION**
  Description: Develop a chrome extension and website that flags harmful content, analyzes browsing patterns, calculates Digital Resilience Score (DRS), and provide AI-powered stress reduction tips for early mental health detection.
  Technology Used: HTML, CSS, JavaScript(ES6+), OpenAI API, MongoDB, Chrome Extension API, RESTful APIs.
  Impact: Help in reducing stress, helps users to reach only the beneficial content for self development.

- **MY PLAYER: VIDEO PLAYER**
  Description: Developed a video streaming platform where users can upload and stream videos, with integration for social media engagement.
  Technology Used: Node.js, Express.js, MongoDB, JWT Authentication, Cloudinary.
  Impact: Created a scalable and secure video-sharing experience.

SKILLS

Programming Languages: Python, Java, C/C++, SQL, JavaScript(ES6+)

Frontend Development: HTML, CSS, UI/UX

Backend Development: Node.js, Express.js, MongoDB, RESTful APIs, API Development

Database Management: Oracle SQL, MySQL, MongoDB

Cloud & Tools: AWS Pricing, Postman, Cloudinary, MongoDB Atlas, GitHub, Figma, Architecture Diagram

Interpersonal Skills: Technical Communication, Effective Communication, Team Collaboration & Leadership, Strong Problem Solving, Design Thinking & Creativity, Analysis & Presentation, Data Interpretation & Cleanup, Data Visualisation & Analysis.

ACHIEVEMENTS

- Finalist in SIH (Smart India Hackathon) 2024 — Ranked Top 27 out of 600 teams at Chandigarh University.

CERTIFICATIONS

- Data Visualisation: Empowering Business With Effective Insights – TATA (October 2024 – July 2025)
- Solutions Architecture Job Simulation – AWS (July – 2025)
- Critical Thinking & Problem Solving - LinkedIn Learning (May 2023)
- SQL: A Practical Introduction for Querying Databases - IBM (Mar 2025)
- Introduction to databases - META (Mar 2025)

HOBBIES AND INTERESTS

- Skilled in Sketching, Cooking, Modelling and Content writing.