Divyanshu Chander

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PROFESSIONAL SUMMARY

Computer Science undergraduate with strong foundations in data structures, databases, and development. Experienced in building scalable, data driven applications and real-time systems using Python, SQL, and modern web technologies. Skilled in translating problem statements into technical solutions, collaborating in team environments, and applying structured problem solving approaches aligned with technology consulting and client delivery roles.

EDUCATION

- **Jaypee University of Information Technology** July 2022 – June 2026
  Bachelor of Technology – Computer Science & Engineering *Solan, India*
  - CGPA: 8.31 (till 7th semester)
- **Army Public School** May 2021
  CBSE Class XII – 93.6% *Chandimandir Cantt, India*

TECHNICAL SKILLS

- **Programming**: C, C++, Python, JavaScript, TypeScript, Java
- **Databases**: MySQL, SQL
- **Backend & APIs**: Flask, Node.js, Express, REST APIs
- **Web Technologies**: React, HTML, CSS
- **Tools**: Git, GitHub, Postman, Docker, BurpSuite
- **Operating Systems**: Linux, macOS, Windows
- **Core Concepts**: Data Structures and Algorithms, Object-Oriented Design, Database Management Systems, Operating Systems, Computer Networks

PROJECTS

- **CollabCode Studio – Real-Time Collaborative Code Editor** *2025*
  - Built a real-time collaborative web application enabling multiple users to write, edit, and execute code simultaneously
  - Implemented live synchronization of files, cursors, chat, and whiteboard actions using WebSockets (Socket.IO)
  - Designed a client–server architecture with React (TypeScript) frontend and Node.js + Express backend
  - Integrated sandboxed multi-language code execution (40+ languages) with real-time input/output handling
  - Technologies: React, TypeScript, Node.js, Express, Socket.IO, REST APIs, Tailwind CSS
- **AutoNotes – AI Media Summarization Tool** *2025*
  - Built a full-stack application to generate concise summaries from YouTube videos and local media files
  - Developed RESTful APIs using Flask for media ingestion, transcription, and summarization
  - Improved transcription speed through optimized speech-to-text pipelines
  - Designed a responsive frontend to manage uploads, processing status, and summary output
  - Technologies: Python, Flask, JavaScript, FFmpeg, YouTube API
- **Student Database Management System**
  - Developed a Python and MySQL based application to manage student records
  - Designed schemas and implemented SQL queries to support CRUD operations
  - Ensured data persistence and integrity through backend validation
  - Technologies: Python, MySQL, SQL

HONORS AND AWARDS

- **Smart India Hackathon 2023** 2023
  Top 5 Teams in Selection Round *National Level*
- **Hache 3.0 – ACM Cybersecurity Competition** 2023
  3rd Position – 24-hour Capture The Flag *University Level*
- **Qriosity – ACM Technical Competition** 2023–2024
  1st Position (2024), 2nd Position (2023) among 50+ participants *University Level*