

Jatin Sharma

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EDUCATION

- **Chitkara University, Punjab** Rajpura, Punjab
Bachelor of Technology in Computer Science and Engineering *August 2023 – Present*
- **GMSSS-46 D, Chandigarh** Chandigarh, India
11th - 12th grade *Graduated: 2023*
- **St. Xavier's School** Graduated: 2021
High School Education

EXPERIENCE

- **Student Member – Programming and DSA Vertical** August 2024 – Present
Open Source Chandigarh (OSC) *Chitkara University, Punjab*
 - Solved 150+ problems on LeetCode, including medium and hard levels, to strengthen programming logic.
 - Contributed to community problem-solving initiatives and collaborated with peers on advanced challenges.
 - Focused on continuous skill enhancement and regular participation in DSA sessions.
- **Research Enthusiast** June 2024 – Present
Chitkara University, Punjab *Rajpura, Punjab*
 - Authored 16 research papers in computer science; 6 are currently under review for publication.
 - Explored innovative algorithmic techniques for optimization and enhanced practical understanding.
- **Content Creator – LinkedIn and LeetCode Progress Tracker** January 2024 – Present
 - Shared coding insights, challenges, and achievements weekly to build a supportive online audience.
 - Inspired peers through consistent progress documentation and solution sharing on platforms like LinkedIn.

PROJECTS

- **SecureX** June 2024 – Present
 - Developed a full-stack chat application with React frontend and Firebase for backend integration.
 - Incorporated secure authentication and real-time messaging features.
 - Optimized UI/UX with responsive design and dark theme support.
- **GreenPath: International Expansion Navigator** October 2024
 - **Objective:** Simplified international business expansion through market viability prediction, compliance checks, real-time insights, and tailored entry strategies.
 - **Key Features:**
 - * **Market Viability Prediction:** Machine learning model to assess potential success in new markets based on economic indicators like GDP and inflation.
 - * **Compliance Checker:** Pulled data from regulatory databases to provide a checklist for staying compliant in various regions.

- * **Real-Time Insights Dashboard:** Displayed critical data such as stock prices and economic news using external APIs.
- * **Market Entry Strategies:** Offered customized strategies tailored to user goals, industries, and market conditions.
- **Applications:** Supported SMEs, enterprises, consulting firms, and government organizations in market research and compliance.
- **Future Enhancements:**
 - * Integration of advanced ML algorithms and richer datasets.
 - * Real-time compliance updates and predictive analytics.
 - * Localization, multilingual support, and blockchain for data privacy.
- **Expense Tracker Website** July 2024
 - Built a user-friendly web platform to track daily expenses, utilizing HTML, CSS, and JavaScript.
 - Implemented data storage with Firebase for tracking and retrieving user expense records.

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS
- **Frameworks:** React, Node.js, Flask
- **Tools:** Git, Docker, Firebase
- **Libraries:** pandas, NumPy, Matplotlib