Suharshit Singh

LinkedIn: Linkedin/suharshit-singh0905
GitHub: GitHub/Suharshit
Portfolio: https://suharshitsingh.vercel.app/

Email: **suharshit123@gmail.com**
Mobile: +91-7888390911

SKILLS

- **Languages**: C/C++, Java, Python, TypeScript, JavaScript
- **Frameworks**: ReactJS, NodeJS, Express, HTML and CSS, Bootstrap, Tailwind CSS
- **Tools/Platforms**: MySQL, MongoDB, Git/GitHub, Figma, Postman, Vercel, Shadcn/UI
- **Core CS Fundamentals**: DBMS, Computer Networking, SQL, OOP's, OS
- **Soft Skills**: Problem-Solving, Adaptability, Quick Learner, Time Management

PROJECTS

- **DSAViz – Data Structure and Algorithms (DSA) Visualization** | **GitHub** | **Live**   Jun' 25 – Jul' 25
  - Developed a full-stack Visualizations application supporting high-end animations for explaining complex DSA.
  - Enhanced User Experience by adding interactive Interface with customizable input, speed control.
  - Integrated Shadcn/UI to engineer a cohesive and intuitive frontend and a seamless user experience.
  - Utilized Vercel for Deployment and Post Monitoring for the application, ensuring the application can handle 200 concurrent users with scope for future scalability.
  - Tech: NextJS, ReactJS, Shadcn/UI, Tailwind CSS, TypeScript, Vercel

- **Public 311 Budget and Equity Analysis** | **GitHub**   Sep' 25 – Nov' 25
  - Architected an interactive Power BI report to analyze 311 service requests against city budgets and census demographics.
  - Engineered a robust star schema data model to resolve complex, heterogeneous data granularities (linking individual requests, department-level budgets, and zip-code-level demographics).
  - Authored complex DAX queries to conduct equity analysis (request close time vs. median income), budget efficiency (request volume vs. department spending), and request density per capita.
  - Designed a dynamic dashboard featuring geospatial heatmaps and drill-down capabilities to provide actionable insights for resource allocation.
  - Tech: Power BI, DAX, Power Query, Data Modeling

- **Peer Link Serverless LAN Mesh Platform** | **GitHub**   Sep' 25 – Dec' 25
  - Constructed a chat and file-sharing tool that allows devices to automatically discover each other on Wi-Fi without a central server or manual setup.
  - Enabled smooth, simultaneous messaging and file transfers for multiple users by utilizing background threads to prevent app freezing.
  - Enforced strict privacy by using volatile memory to instantly wipe data on app closure.
  - Programmed a "virtual room" feature to restrict communication to selected private peers.
  - Tech: Java, TCP/UDP Sockets, Multi-threading, Java NIO, JSON.

TRAINING

PEP – Professional Enhancement Program | Certificate   Jun' 25 – Jul' 25
- Enhanced analytical logic and problem-solving capabilities, effectively tackling complex technical challenges on competitive platforms like LeetCode and CodeChef.
- Completed an intensive Professional Enhancement Program focused on industry readiness and mastering Data Structures and Algorithms (DSA) using C/C++ and Java.

CERTIFICATES

- Cloud Computing | NPTEL | **Link**   Oct' 25
- Build Generative AI Apps and Solutions with No-Code Tools | Infosys Springboard | **Link**   Aug' 25
- TCP/IP and Advanced Topics | Coursera | **Link**   Nov' 24
- Introduction to Hardware and Operating Systems | IBM x Coursera | **Link**   Aug' 24

ACHIEVEMENTS

- Solved 200+ coding problems on LeetCode, GFG, and HackerRank, demonstrating strong Consistency.   Aug' 25
- Achieved a 5-Star Rating in C/C++ and earned top badges on LeetCode and HackerRank.   Jul' 25

EDUCATION

Lovely Professional University   Phagwara, Punjab
*Bachelor of Technology - Computer Science and Engineering; **CGPA: 8.11***   *Aug' 23 - Present*

Seth Hukam Chand S.D. Public School   Jalandhar, Punjab
*Intermediate; **Percentage: 71.4%***   *Apr' 22 – Mar' 23*

Seth Hukam Chand S.D. Public School   Jalandhar, Punjab
*Matriculation; **Percentage: 86%***   *Apr' 20 – Mar' 21*