Pranav Sharma

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❖ Education

Mohali, PB	Chandigarh Engineering College	Sep 2022 – June 2026

→ Bachelor of Engineering in Computer Science- Year II (**Sophomore**)
→ Engineering *CGPA*: **8.5**/10

Nahan, HP	Career Academy Sr. Sec. School	April 2021 – March 2022

→ **Academic Achievements:**
  ○ Twelfth Grade(*12th*) Percentage : **95%**
  ○ Among top **1%** in all over the state.

❖ Work Experience

Co-Technical head	GFG-Student Chapter CGC-J	Sep 2023 – Present

→ Developed a website for the chapter,offering students information about the chapter and its events.
→ Created using **React-js**.
→ Conducted **interviews** for students aspiring to join the tech team of the student chapter.
→ Provided **mentorship** and guidance to newcomers in their journey.

❖ Personal Projects

❖ Brick Breaker game

→ Developed a captivating Brick Breaker game using **Java** and the **javax swing** library, incorporating engaging game play mechanics and stunning graphics.
→ Utilized the **Java AWT** package to design and create visually appealing user interfaces, enhancing the overall player experience
→ Implemented a robust collision detection system, allowing precise ball and paddle interactions for seamless game play.
→ Demonstrated strong problem-solving skills and attention to detail in addressing complex programming challenges throughout the development process. source code

❖ HTML code editor

→ Developed a feature-rich HTML code editor **Android application** using Java and the Android SDK, empowering users to create and edit HTML files directly on their mobile devices.
→ Supported multiple file formats, including **HTML, CSS, and JavaScript**, enabling users to work on complete web projects within the app.
→ Demonstrated strong problem-solving skills and attention to detail in addressing complex programming challenges throughout the app development process. source code

❖ Port Scanner

→ Developed a highly efficient and customizable open port scanner Python script using the **socket** library, enabling network administrators and security professionals to identify accessible ports on remote systems.
→ Utilized socket programming techniques to establish connections with target IP addresses and systematically probe for open ports within specified port ranges, providing valuable insights into potential vulnerabilities.
→ Incorporated flexible command-line options, allowing users to define target IP addresses and port ranges.
→ Demonstrated strong problem-solving skills, attention to detail, and an in-depth understanding of network protocols and socket programming concepts in developing a robust and effective open port scanner. source code

❖ Technical skills

→ **Programming Languages,modules and frameworks-:**
  • C/C++, Python, Java , HTML , Numpy, Pandas, Matplotlib,Js, Data structures and Algorithms.
→ **Software and Packages-:**
  • Android studio, Jupyter, Vs-code, Pycharm, GitHub and Linux.

❖ Achievements

→ Secured the **first** position **twice** in the senior category at the divisional-level Children's **Science Quiz.**
→ Attained the **second** position in an inter college **debate** competition.