SHUBHAM PALIWAL

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EDUCATION

Bikaner Technical University   **11 2021 – 06 2025**
*B.Tech. Computer Science and Engineering - **CGPA** - **8.49***   *Bikaner, India*

EXPERIENCE

GSSOC (Girlscript Summer Of Code) 2024 ↗   **05 2024 – Present**
Open Source Contributor ↗   *Remote*

- Got 1 **level 3**, 2 **level 1** pull requests merged, placed in **top 500** of the leaderboard, among 17k participants.
- Resolved issues in repositories with a **success rate of 100%**, and a **merge rate of 100%.**

PROJECTS

SnakyClimb ↗ | HTML, CSS, JavaScript   **02 2024**

- Developed a cutting-edge **Snakes and Ladders game** with a beautifully designed user interface, visually appealing animations, and engaging sound effects, leveraged random number generation for dice rolls, enhancing the gaming experience and **attracting 30% more players**.
- Utilized **hashing** with the help of hash maps to optimize access time, achieved **99% reduction in access time** as compared to matrix. Enhanced efficiency and performance by reducing redundant computations.

JustNote ↗ | Java, Swing Framework   **12 2023**

- Implemented **key functionalities**, including open, new, save, save as, and exit for .txt files, **Editing functionalities**: undo, redo, find, find and replace text. **Text alignment**: left, right; text wrapping. Scrolling, zoom-in, and zoom-out capabilities, **improving the user experience by 95%**.
- Spearheaded the development of a prompt to save feature, **ensuring that users never lose their work**, added **functionality to retrieve the last saved font selections** when opening files. **Enhancing data protection & user experience by 99%**.
- Implemented **multi-threading** for font loading, **significantly enhancing performance**. Observed a **50% reduction in font loading time**, compared to the single-threaded approach.
- Provided format options: font family, style, size, color, light-dark mode, **increasing customization by 90%**.

BankPal ↗ | C++   **06 2023**

- Executed CRUD operations for deposits, withdrawals, new account openings, balance inquiries, and user detail updates, **ensuring secure storage of customer information** by password-based admin authorization, **reducing chances of unauthorized data manipulation by 90%**.
- Established access policy requiring admin username and password verification for data access. Limited login attempts to five, followed by temporary blocking for incorrect passwords **to prevent unauthorized access**.
- Masked the password input field, **reducing the vulnerability of unwanted password-sharing by 99%**.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, HTML, CSS, JavaScript, MySQL, PHP
Developer Tools: Git, GitHub, Visual Studio Code, IntelliJ Idea, Sublime Text
Technologies / Frameworks: Linux, Java Swing Framework, Java Database Connectivity
Core Skills: DSA, Operating Systems, Computer Networks, DBMS, OOP, Linux

CERTIFICATIONS / ACHIEVEMENTS

- Cleared **HackerRank DSA** & **CSS Certification**, LeetCode **50 Days Of Code** Badge
- Aced **Coding World Cup** Powered By Logitech :- **Rank:- 380** out of 51626
- Conquered GeeksForGeeks Weekly Coding Contest 129 - **Rank:- 26** out of 1318
- Completed **30 Days of JavaScript** Challenge - Scaler, **100 Days of Code** - Scaler
- Reached Top Level in 21 Day Coding Challenge organized by CN - **Rank:- 1483** out of 23000.
- Gained **5 Stars** in C++ & **4 Stars** in C - HackerRank
- Achieved **GeeksForGeeks Institute Rank:- 5**, Debugging Contest Rank:- 220
- Solved a total of over **350 different problems** on LeetCode, GeekForGeeks, and InterviewBit.