Ritu Raj

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SKILLS

- **Languages:** C++, C, Python, MySQL,HTML, CSS
- **Frameworks:** Bootstrap, Tailwind CSS, ReactJS, Django
- **Tools/Platforms:** LeetCode, Geeksforgeeks, Code360, Github, Canva, Excel, Tableau, Windows, VS Code
- **Soft Skills:** Problem-Solving Skills, Leadership, Logical Reasoning and Quantitative Aptitude , Impressive Communication, Resource Management, Adaptability, Effective Planning

PROJECTS

- **Keylogger Detection System**   December 2024 - January 2025
  - Detects and prevents keyloggers from capturing keystrokes.
  - Monitors background processes for suspicious activities.
  - Alerts users and provides real-time logging analysis.

Tech: Python, PyQt (GUI), Windows API/Linux system monitoring, Machine Learning (optional for anomaly detection)

- **Phishing Detection Website**   October 2024
  - Uses machine learning to identify phishing websites.
  - Warns before they enter any sensitive information.

Tech: Python, TensorFlow, BeautifulSoup (web scraping), Flask (for API), JavaScript (browser extension)

- **Portfolio Website**   September 2024
  - Designed and developed a responsive personal portfolio website to showcase projects and skills.
  - Applied UI/UX principles to ensure smooth navigation and an engaging user experience.

- **N Queen Visualizer**   July 2024
  - Developed a C++ application to solve the N-Queens problem using backtracking algorithms.
  - Created visualizers to illustrate the solving process, enhancing understanding of algorithmic concepts

Tech: C++, Data Structures and Algorithms, Backtracking

CERTIFICATES

- Striver's A2Z DSA Course – Takeuforward   October 2024 - Present
- Summer Training in DSA – Lovely Professional University (Hitbullseye)   January 2025 - February 2025
- Mastering Data Structures and Algorithms using C and C++ (Udemy)   August 2024 - September 2024

ACHIEVEMENTS

- **Achieved 3rd position in Debate competition at Lovely Professional University.**

Showcased strong and impressive communication skills.

- **Represented School in Inter-School Football Tournament**

Shows strong mental stamina and coordination.

- **Represented District in State level Cricket Tournament**

Demonstrated strong determination and ability to perform under pressure.

- **Runners Up in Math Olympiad in class 10th**

Shows strong reasoning ability and mathematics.

EDUCATION

- **Lovely Professional University**   Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.7**   *Since October 2022*

- **Br DAV Public School**   Bihar, India
Intermediate; **Percentage: 88.0%**   *April 2019 - March 2020*

- **River Valley School**   Bihar, India
Matriculation; **Percentage: 85.0%**   *April 2021 - March 2022*