



DIPSANA ROY

About Me

Aspiring **Game Developer & Full-Stack Developer** passionate about building efficient, scalable applications and privacy-focused software.

Experienced in **real-world projects** and actively contributing to **open-source development**.

Currently exploring **security-focused development** and **system optimization**.



dipsanaroy@proton.me



Diamond Harbour, West Bengal,
India

LANGUAGE

English, Hindi, Bengali

SKILLS

- **Programming:** C, Java, Python, JavaScript
- **Web Development:** HTML, CSS, JavaScript, React, Express.js, Figma
- **Databases:** MySQL
- **Tools & OS:** Git, Linux (Manjaro), Windows
- **Project Collaboration:** Developed shopping websites and chatbots with college mates.



[Portfolio](#) | [LinkedIn](#)

EDUCATION

B.Tech in Computer Science – Techno International Batanagar (2022 – 2026)

Relevant Coursework: DBMS, SQL, DSA, Algorithm Design, Theory of Computation, Data Warehousing, Web Development, Operating Systems.

EXPERTISE

- **Front-End & Full-Stack Development:** React, Node.js, Express.js, MongoDB
- **Game Development:** Interactive gameplay, UI/UX optimization
- **Data Structures & Algorithms:** Problem-solving, performance tuning
- **Operating Systems & Security:** Linux customization, system security, data protection.

PROJECTS

Personal Portfolio Website

[Live Demo](#) | [GitHub](#)

- A personal website showcasing **skills, projects and achievements**.
- Built with **HTML, CSS, JavaScript** for a sleek and modern design.

Netflix Clone

[Live Demo](#) | [GitHub](#)

- A **Netflix-inspired UI** built using **HTML**, **CSS**, **JavaScript**.
- Implements a responsive design for seamless viewing.

To-Do List Web App

[Live Demo](#) | [GitHub](#)

- A feature-rich **task manager** with **custom background image functionality** & a clean and intuitive UI.
- Developed using **JavaScript** to improve productivity and usability.

Tic-Tac-Toe Game

[Live Demo](#) | [GitHub](#)

- An **interactive two-player game** with a dynamic UI.
- Built using **JavaScript** for real-time gameplay.

Rock-Paper-Scissors Game

[Live Demo](#) | [GitHub](#)

- An interactive fun **C program**.
- Implements **player vs. computer logic**.

Random Number Guessing Game

[Live Demo](#) | [GitHub](#)

- An **engaging, interactive number guessing game** where players try to guess a randomly generated number.
- Built using **C**.

Date Comparison Program

[Live Demo](#) | [GitHub](#)


- **C program** to compare differences between two dates.
- It does both **duration differences** in **days** and in **dd-mm-yyyy** format as well.

CERTIFICATIONS & ACHIEVEMENTS

 **Smart India Hackathon Participant (2023)** – [View Certificate](#)

 **PRAYAS Participation Certificate (2024)** – [View Certificate](#)

ADDITIONAL

- Active in **open-source projects & Linux system optimization**.
- Exploring **shell scripting** & privacy-focused software development.
- Passionate about building a **new OS** for enhanced security & performance.
-  **LeetCode Profile:** [LeetCode](#)