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.**

✉ dipsana@zohomail.in

🏠 Diamond Harbour, West Bengal, India

LANGUAGE

English, Hindi, Bengali

SKILLS

- **Programming:** C, Java, Python, JavaScript.
- **Web Development:** HTML5, CSS3, JavaScript(ES6+), React, Express.js, Figma.
- **Databases:** MySQL
- **Tools & OS:** Git, Linux (Manjaro), Windows.
- **Project Collaboration:** Developed shopping websites and chatbots with college mates.

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

🏆 **PRAYAS Participation Certificate (2023) –** View Certificate

🏆 **Tabla Certificate (2018) –** 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
- 🖥️ **HackerRank Profile**: HackerRank
- 🖥️ **GitHub Profile**: GitHub