

Shiksha Nayan

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EDUCATION

Indira Gandhi Delhi Technical University For Women

Information Technology

Oxford Senior Secondary School

12th (CBSE)- 95.4 , 10th(CBSE) - 93.4

Delhi, India

May 2021 - May 2025

Delhi, India

TECHNICAL SKILLS

Programming Languages: C, C++ , HTML, CSS, SQL

Version Control: GitHub, Git

Scripting Language: Apps Script

WORK EXPERIENCE

Research

IGDTUW

Ongoing

- Analyzed vulnerabilities in Blockchain technology's encryption protocols, identifying and addressing security problems, resulting in a **40% reduction** in data breaches.

Timechain Summer of Code - Contributor

Tech used : JavaScript

May 2023 - September 2023

- Orchestrated the integration of Google Apps Script, Google API, and Sheets API to streamline data processing workflows, achieving a **15% reduction** in processing errors.
- Achieved functionality to generate and verify message hashes using SHA-256 algorithm and built interactive UI card for user navigation.

CS/IT Game Development, Inerve - Head Coordinator

Tech used: C#

July 2022 - August 2022

- Designed a 3D game with a unique "Upside Down" game-play mechanic. and executed character movement and object interactions using C# scripts, achieving a smooth frame rate.
- There were over **100 registrations** of the game and was played by over **20 participants**.

Centre of Sustainable Development, IGDTUW - Integration Team Member

SaaS Used- Google Docs

September 2022 - October 2022

- Led a team of **8 members** in designing and implementing the evaluation process for **1140 students** enrolled in the Centre of Sustainable Development's General Elective Course
- Managed and coordinated the work of **24 members** in the Integration Team to ensure timely and accurate **data collection** and **analysis**
- Facilitated a smooth evaluation process by encouraging open communication with students, associates, executives and faculties.

PROJECTS

- Blockchain-Enabled Email Authentication Plugin** (JavaScript, Google Apps Script APIs (Gmail API, Sheets API)) - Built a user-friendly Gmail plugin using Google Apps Script in a team of **3** that generates and verifies message hashes using **SHA-256**, integrates with Gmail API to access message data and trigger card displays, and utilizes Sheets API for secure hash data storage and management.
- VR Chemistry Laboratory** (Unity, C Sharp) - Developed an immersive, user-friendly VR chemistry lab for Oculus Quest, enhancing student learning and safety in flame test experiments, with a peaceful user interface to minimise cognitive load, while leveraging virtual safeguards to eliminate hazardous activities and promote risk-free experimentation. [GitHub](#)
- The Upside Down Game** (Unity, C Sharp) - Created a three-level Stranger Things-inspired puzzle game in a team of **15** featuring demonic creatures and challenging code-based puzzles, resulting in over **100 registrations** and **20 active players** through immersive world-building, seamless level. [Link](#) [GitHub](#)

POSITION OF RESPONSIBILITY

- General Secretary, Zena** :Directed finances, organizing events and coordinated with others to support the fashion society.
- Mentor, Desh ke Mentor** : Mentored **4 school students** to explore the opportunities related to their future interests and domains.