

Introduction

Motivated engineering undergraduate with a strong interest in programming and problem solving. I enjoy learning new technologies and applying logical thinking to build efficient solutions. I am eager to enhance my technical skills through structured learning and hands-on experience.

Education

B.Tech in Mechanical and Automation Engineering (2024-2028)
Indira Gandhi Delhi Technical University for Women
CGPA:8.385/ 10 (Current)

Technical Skills

- Programming Languages: Python, C++, HTML, MS EXCEL
- Core Concepts: Data Structures, OOP Basics
- Tools: Git, GitHub, VS Code, GenAI

Projects

Portfolio

[Portfolio Link](#)

KolamChitra – Blending Tradition with Technology
Web Application — Next.js, React, TypeScript, Tailwind CSS, Firebase, GenAI

- Built a modern web application to preserve and promote the traditional South Indian art form, Kolam.
- Implemented interactive learning and practice features, along with AI-based design generation.
- Used a server-centric Next.js architecture with TypeScript for scalability and maintainability.

CircuLite – Circularity-as-a-Service Dashboard
Web Application — Next.js, React, Tailwind CSS, GenAI

- Developed a dashboard to help small businesses track circular economy metrics and waste reduction efforts.
- Implemented features such as batch tracking, monthly reporting, and an admin panel for platform oversight.
- Integrated AI-powered insights using GenAI to suggest actionable improvements in circularity performance.

Roll-a-Ball (Unity Game Project)
Console Application — Python

- Developed a beginner-friendly 3D rolling ball game using Unity and C.
- Implemented physics-based movement, collectible pickups, and a basic score-based UI.
- Designed modular scripts and simple game logic to support learning and future extensions.

Achievements & Activities

- Industrial Ideathon'25 - 2nd runner up
- Executive of Event, Brand and people at TEDx IGDTUW
- Experience in public speaking and presenting during school and college events.
- Actively learning and building projects in web development, programming, and emerging technologies.