

# Sagnik Chowdhury

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## SUMMARY

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- Full-Stack Developer skilled in React, Next.js, Node.js, TypeScript, Postgre SQL and Tailwind CSS with a focus on building scalable, production-ready applications.
- Built a cross-platform e-commerce website for Sundar Garments, and a real estate portfolio platform for Skyline Properties.
- Currently developing the Android and iOS apps for Sundar Garments' e-commerce platform.

## WORK EXPERIENCE

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### Skyline Properties (Freelance)

Github

- A fully responsive real estate website with dynamic property listings and search capability.
- I implemented the UI architecture, optimized load times, and ensured smooth navigation across devices.

May 2025

### Sunder Garments (Freelance)

Github

- An end-to-end e-commerce platform supporting web and mobile storefronts with cart, checkout, and order management
- I engineered the full workflow from product listing to secure transactions and deployment.

May 2025

## PROJECTS

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### Rocket Adventures - A Unity Game [↗](#)

- Developed a 3D rocket navigation game in Unity using C#, featuring physics-based thrust and rotation controls.
- Implemented level progression, collision handling, and win/lose states through custom scripts.
- Added immersive particle effects and audio for thrusters, collisions, and landings.

### P.L.A.T.E (Personalized learning and Assistance for Taste Enhancement) [↗](#)

- AI-powered recipe assistant that generates personalized dishes, either by analyzing available ingredients through Fridge Mode or by offering new culinary inspirations via Explore Mode.
- Guides users with interactive, step-by-step cooking instructions, delivered in a chef-like style that makes the process engaging and easy to follow.

### Smart Playlist [↗](#)

- Developed an AI-driven system that converts natural language prompts into personalized playlists, enabling users to generate music collections aligned with their mood or intent.
- Implemented features for dynamic playlist creation and management, supporting seamless exploration, saving, and organization of user preferences.

### Snake Game [↗](#)

- Created a modern Snake game using Python and Pygame, featuring frame-independent movement and smooth animations.
- Added dynamic visuals with gradient snake colors, custom sounds, and animated transitions.

## EDUCATION

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### SRM University Delhi-NCR

Bachelor Of Technology (B. Tech) CSE

## SKILLS

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- **Languages:** Python, JavaScript, TypeScript, SQL, PostgreSQL, C#
- **Frameworks:** React Native, Next.js, Tailwind CSS, FastAPI, Node.js, Express.js,
- **Tools:** Git, GitHub, Docker, MongoDB, MySQL, Unity, Redux