

Souvik Patra

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[LINKEDIN](#) | [GITHUB](#) | [PORTFOLIO](#)

Education

Diploma in Dental Mechanics, DR. R. Ahmed Dental College,

Percentage – 75% 2019 - 2021

B. Tech in Computer Science, Bankura Unnayani Institute of Engineering,

CGPA – 8.7 2022 – 2026

Skills

Programming Languages: C, C++ and Java

Database: MySQL

Front-end: HTML5, CSS3, Tailwind CSS, JavaScript, React.js

Animation: GSAP, Framer Motion

Tools & Version Control: GIT, GitHub, VS Code, VITE, Render

Projects

Sorting Visualizer | [Live](#)

- Visualizes popular sorting algorithms with smooth, real-time animations.
- Designed with a modern, responsive UI using React and Tailwind CSS.
- Customize array size, animation speed, and choose different algorithms to visualize.
- Added code support in multiple programming languages.
- **Tech Stack** – React, Tailwind CSS, GSAP, Vercel

Snake Game

- The player controls a snake that moves on a grid. Each time the snake eats food (represented by a small block), it grows in length. The goal is to eat as much food as possible without hitting the snake's own body or the game boundary.
- The snake is controlled using the arrow keys (up, down, left, right).
- The snake moves one unit at a time, and each time it moves, its position is updated on the screen.
- Randomly placed food items are generated on the game grid. When the snake collides with the food, it eats it and grows.
- The game ends when the snake collides with itself or the walls of the game area.
- **Tech Stack** – Java

Quready | [Live](#)

- Added DSA solutions in C++, Java, and Python across different topics to increase accessibility for users learning in various programming languages.
- Contributed answers and explanations to specific DSA topics, enhancing the educational content available on the platform.
- Assisted in the implementation of quizzes to assess users' understanding of DSA concepts.
- **Tech Stack** – React, Tailwind CSS, JavaScript, HTML5, Vercel

Achievements & Certifications

- Completed Generative AI Virtual Internship | [Link](#)
- Completed EduSkills Tech Camp on Google AI-ML | [Link](#)
- Complete Python Full Stack Developer Virtual Internship | [Link](#)
- Complete Gemini, Streamlit, and Vertex AI prompt design | [Link](#)