




# SOUVIK PATRA



## CONTACT

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## EDUCATION

### Bankura Unnayani Institute of Engineering

*B.Tech (Computer Science & Engineering)*

- CGPA - 8.4

Bankura, West Bengal, India

2022 - Present

### Diploma

- Percentage - 75%

Dr. R. Ahmed Dental College and Hospital

Kolkata, West Bengal, India

2019 - 2021

### Bishnupur High School

2019 — Bishnupur, West Bengal, India

Class XII: 75.80%

### Bishnupur High School

2017 — Bishnupur, West Bengal, India

Class X: 90.57%

## SKILLS

### PROGRAMMING

*Languages:* C — C++ — JavaScript — HTML — CSS

*Frameworks:* Node.js — Express.js — React.js — Tailwind CSS

*Database:* MongoDB — MySQL

*Familiar:* Git — REST-API

*Concepts:* OS — DBMS — Computer Networks — OOPS — DSA

## LINKS

**GitHub:** [// souvik-p01](#)

**LeetCode:** [// souvikpatra001](#)

**CodeForces:** [// S\\_patra001](#)

## COURSES

- Web Development
- Data Structures and Algorithms
- Operating System
- Microprocessors
- COA

## PROJECTS

### Healthcare Consultation System

- Developed a full-stack healthcare consultation platform enabling patients to connect with doctors and book appointments securely.
- Built responsive frontend using React.js and Tailwind CSS with intuitive interfaces for patients and doctors.
- Implemented backend with Node.js and Express.js; integrated MongoDB for managing users, appointments, and records.
- Added JWT-based authentication and role-based access control.

### Sorting Visualizer — [GitHub Link](#)

- Designed an interactive web app visualizing sorting algorithms (Bubble, Merge, Quick, Heap, Selection) through animations.
- Included time/space complexity info and C++ source code display for learning support.
- Created a responsive, dark-themed UI with adaptive scaling and animation controls using React.js.

### Snake Game — [GitHub Link](#)

- Engineered a Java Swing-based Snake Game with smooth animation, modular structure, and responsive controls.
- Integrated 3D visuals, pulsating food effects, and dynamic scoring to modernize the classic game.

## ACHIEVEMENTS

**LeetCode:** Solved 100+ problems (DSA & SQL) — ID: [souvikpatra001](#)

**CodeForces:** Solved 50+ problems — ID: [S\\_patra001](#)

## LEADERSHIP EXPERIENCE

### Team Lead — College Project — Aug 2025 – Present

- Leading Healthcare Consultation project, managing team workflow and project delivery.

### Tech Fest Leader — BUIE Tech Fest — Aug 2024 – May 2025

- Organized annual college tech fest, mentoring juniors in project development and event coordination.

### Captain — BUIE Volleyball Team — Sep 2024 – Present

- Led the team in tournaments and practices, fostering sportsmanship and teamwork.