

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology (IIT), Indore	6.75 (Current)	2023–Present
Senior Secondary	WBCHSE Board	83.80%	2023
Secondary	WBBSE Board	91.85%	2021

PROJECTS

- College Mantra – DBMS Based College Allocation Portal

Oct. 2024 – Nov. 2024

github.com/Subhankar191/college-allocation

– Built a DBMS-driven seat allocation system for 1,000+ candidates, ensuring 100% accurate results across categories and preferences.

– Designed a normalized relational schema in MySQL with indexing and triggers, improving query runtime by 40%.

– Implemented backend logic in Python + SQL for automated allocation and CRUD operations.

– Developed a responsive frontend (HTML, CSS, JS) enabling real-time preference submission with <200ms latency.
- FundFlow – Blockchain Based Decentralized Crowdfunding Platform

Mar. 2025 – Apr. 2025

github.com/Subhankar191/crowdfundingapp

– Developed a Solidity smart contract system on Ethereum handling 200+ simulated contributions with secure on-chain validation.

– Reduced gas cost by 15% through optimized storage structures.

– Built a full-stack decentralized application (React.js + Tailwind CSS) improving campaign success rate by 30%.

– Implemented automated refund and milestone-based fund release, achieving 0 failed/disputed transactions.
- WeatherSphere – API Based Weather Application

Jun. 2025

github.com/Subhankar191/weatherapp

– Integrated OpenWeatherMap API for real-time weather data retrieval for 200K+ cities.

– Applied API caching and lazy loading, achieving sub-1s response time.

– Built a cross-platform responsive frontend in React.js with dynamic UI, boosting user engagement by 25%.

– Achieved 95% Lighthouse performance/accessibility score, validating scalability and usability.

TECHNICAL SKILLS

- Programming: C++, C\*, Python\*

• Web Development: HTML, CSS, JavaScript

• Frameworks & Libraries: React.js, Tailwind CSS\*, Django\*

• Database: MySQL

• Blockchain: Solidity\*

• Version Control: Git, GitHub
- \* Elementary proficiency

KEY COURSES TAKEN

- Mathematics: Calculus I & II, Linear Algebra, Differential Equations I & II, Complex Analysis, Mathematics for AI/ML, Discrete Mathematical Structures, Numerical Methods

• Algorithms: Data Structures and Algorithms, Design and Analysis of Algorithms

• Systems: Data Base and Information Systems, Computer Architecture, Foundation of Hardware

• Theory: Logic Design, Automata Theory

• Emerging Technologies: Introduction to Blockchain, Programmable and Interoperable Blockchains

POSITIONS OF RESPONSIBILITY

- Member, Athletics Club, IIT Indore

Aug. 2023 – Apr. 2024