

ANSH SINGH

Varanasi, Uttar Pradesh

+91 8840916738 | snghansh07@gmail.com | GitHub | LinkedIn | Portfolio | Codolio

ABOUT ME

I design and develop software systems that emphasize security, clarity, and real-world usability. I am currently exploring backend engineering, cryptographic systems, and scalable application design.

EDUCATION

Qualification	Institute / Board	Year
B.Tech (CSE)	VIT Chennai	2023–2027
Senior Secondary (XII)	CBSE Board	2022
Secondary (X)	CBSE Board	2020

PROJECTS

StudyNotion

React, Tailwind, Redux, Node.js, Express, MongoDB, Cloudinary, Razorpay

GitHub

- Architected a full-stack EdTech platform enabling instructors to create, publish, and monetize courses.
- Implemented **JWT-based authentication** and role-based access control.
- Integrated the Razorpay payment gateway with transaction validation and order tracking.
- Utilized Cloudinary for efficient media storage and optimization.
- Built analytics dashboards to track enrollments and revenue insights.

MediConnect

React, Node.js, Express, MongoDB, WebRTC, Socket.IO, Hugging Face

GitHub

- Developed a telemedicine platform supporting real-time doctor-patient consultations.
- Integrated **WebRTC-based video calling**.
- Integrated Hugging Face models for medical query handling.
- Ensured secure authentication and encrypted data handling.

Safe-Lending (Trustless Peer-to-Peer Lending Network)

Flutter, Firebase, Cryptography (RSA, AES, SHA-256), Smart Contracts

GitHub

- Built a decentralized peer-to-peer lending platform eliminating reliance on intermediaries.
- Engineered secure user authentication and data storage using **Firebase backend services**.
- Integrated cryptographic mechanisms (**RSA, AES, SHA-256**) for secure transactions and data integrity.
- Designed digital loan contracts with transparent repayment tracking and verification.
- Ensured trustless and tamper-resistant lending workflows through encryption and validation logic.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript

Frontend: React.js, React Native, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, Flask, Django

Cloud & Integrations: Cloudinary, JWT Token, Razorpay Integration, Payment Gateway

AI & Data: Hugging Face, Power BI, Statistics, Data Analytics

Databases & Tools: MongoDB, MySQL, Git, Redux, Postman

ACHIEVEMENTS

Solved **300+ DSA problems** across LeetCode, GFG, CodeChef, and Codeforces.

Achieved **1700+ rating on LeetCode**

Secured **Rank 47** in **CodeChef Starters 192 (Rated)**

Secured **Rank 848** in a **LeetCode Biweekly Contest**.

Participant in **FlutterSprint Hackathon (Google)** and **HackRx 6.0 Hackathon**.