

Rahul Singh

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SKILLS

- Languages: C++, Python
- Frontend: Html, Css, Javascript, ReactJs, NextJs, Bootstrap
- Backend: NodeJs, ExpressJs, MongoDB, SQL
- Blockchain: Solidity, Web3Js, EtherJs
- Other Technologies: DAOs, IPFS, Hardhat, Redux, Postman

PROJECTS

VoteList | [VoteList](#)

- Developed a **decentralized voting application** on Ethereum, featuring candidate and voter registration and IPFS for secure image storage.
- Architected and deployed smart contracts in Solidity to ensure secure and transparent voting, including real-time vote tallying.

AnonCounsel | [AnonCounsel](#)

- Developed a **mental healthcare advisor application** using Next.js, React.js, and OpenAI GPT-3.0, offering personalized advice with real-time interaction and a user-friendly interface.
- **Integrated Web 3.0 features** to ensure anonymous, secure access via blockchain, protecting user privacy and data control.

Invoiceer | [Invoiceer](#)

- Developed an **invoice management system** with features for data capture, item management, and real-time total calculation.
- Implemented a dynamic invoicing tool enabling efficient client data entry, invoice creation.

Digi-Drive | [Digi-drive](#)

- Deployed a **decentralized application** enabling users to securely save, view, and control access to images on blockchain.
- Implemented access control features, allowing users to limit who can view their images.

EDUCATION

Manipal Institute of Technology, Manipal
Electronics and Communication Engineering (minor in Computing)

(08/2025)

EXPERIENCES

Automation Intern | Shree Cement Ltd.

Implemented an efficient automation system using **Python**, **OpenCV**, and a trained YOLOv8 model to detect and count cement bags, achieving **100% accuracy** and significantly enhancing packing plant efficiency.

Technical Head | IE-ENC The Manipal chapter

Led teams in tech festivals, managed events and web activities, and contributed to decentralized technologies talks and website development, driving strategic success..

Management Committee | Manipal Information Security Team

Directed the planning and execution of chapter activities, including blockchain and web-dev events, managed the team's exploration of IoT, Blockchain, and CTFs, and oversaw social media strategy and public engagement.