

# Shobhit Singh

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## EDUCATION

### PSIT College of Higher Education

Bachelor of Computer Applications (BCA), CGPA: **8.81**

Kanpur, India

2022 – 2025

## SKILLS

**Programming Languages:** C++, Python, JavaScript

**Frontend Development:** HTML, CSS, JavaScript, TypeScript

**Backend Development:** Node.js, Express.js, Firebase, Appwrite, REST APIs

**Libraries / Tools:** ReactJS, Next.js, Tailwind CSS, Shadcn, Git/GitHub

**SQL Databases:** MySQL, SQLite, PostgreSQL

**NoSQL Databases:** MongoDB

## PROJECTS / OPEN-SOURCE

### Crypto Universe | *ReactJS, Tailwind CSS, Redux, Ant Design, Chart.js*

- Built a sleek cryptocurrency dashboard app supporting 100+ cryptocurrencies with real-time data updates via the CoinRanking API.
- Visualized trends using dynamic line and bar charts, filterable stats, and interactive UI components with Redux state management.
- Optimized app load time by 30% using React code splitting, lazy loading, and image compression techniques.

### YT Webscraper | *Tkinter, CustomTkinter, pytubefix, Threading*

- Created a YouTube video downloader with multi-format support (MP4/MP3), theme switching, and progress feedback.
- Implemented threaded downloads for smooth UI performance and handled file system integration for custom save paths.
- Tested with 200+ video downloads across different systems, achieving 100% stability and cross-platform compatibility.

### News Nexus | *HTML5, CSS3, JavaScript, Axios, NewsAPI*

- Engineered a responsive news platform with category-based navigation (Tech, Finance, Sports) and real-time article loading.
- Utilized NewsAPI to fetch 1,000+ articles dynamically; implemented debounce search, custom loaders, and local caching.
- Boosted UX through pagination, error handling, and mobile-first design principles, achieving a 95+ Lighthouse accessibility score.

## CERTIFICATIONS

Blockchain and its Applications – IIT Kharagpur (NPTEL)

HackerRank Problem Solving (Intermediate)

Cisco Systems – Computer Networks

## HONORS & ACHIEVEMENTS

**Winner (1st Place)** – College Hackathon: Developed an IoT-based Posture Tracking & Management Device using Arduino and sensors. Enabled real-time body posture monitoring, alert systems via buzzer, and wireless data transmission. Project recognized for innovation, user impact, and seamless hardware-software integration.

Solved **600+** **Data Structure & Algorithm problems** across LeetCode, GeeksforGeeks, and HackerRank, demonstrating consistent problem-solving skills.

**Discipline Star Award** – Recognized by **IIT Kanpur and NPTEL** for outstanding consistency, timely coursework, and commitment to discipline.