

# Narendra Singh Chouhan

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## TECHNICAL SKILLS

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

**Frameworks and Libraries:** React.js, Next.js, Node.js, Tailwind CSS

**Databases and Cloud:** MongoDB, MySQL, Firebase, AWS

**Other Skills:** Git, Web Development, RESTful APIs, Data Analysis, AI Agents

## EXPERIENCE

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**IoT Club** | Core Member – Design & TECHNICAL Team | VIT Bhopal

October 2024 – January 2025

**BACK-END** TYPESCRIPT | NEXT | MONGODB

- Optimized IoT project infrastructure with SSR and API caching, streamlining workflows and reducing manual effort by 85%.

**FRONT-END** TYPESCRIPT | NEXT

- Built a complete UI from scratch, integrating key tools, boosting FCP by 40%, and enhancing user accessibility.

**DESIGN LEAD** ADOBE ILLUSTRATOR

- Led a Python team to develop MVP features and core tools, boosting process efficiency by 74% through automation.

**YOUTUBE INDIA** | VIDEO EDITOR | RAJKOT, REMOTE

September 2024 – April 2025

**CONTENT EDITING** ADOBE PREMIERE PRO | AFTER EFFECTS

- Edited and optimized video content, enhancing engagement and improving audience retention for a YouTube channel with 50k+ subscribers.

**VISUAL ENHANCEMENTS** MOTION GRAPHICS | VFX

- Implemented advanced visual effects and motion graphics, increasing content appeal and boosting viewership by 35%.

## PERSONAL PROJECTS

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**VTOP SHORTCUT: VIT PORTAL HELPER** | CHROME EXTENSION

January 2025 – January 2025

- Developed an enhanced VTOP portal with quick-access shortcuts, GPA calculator, dark mode, and productivity tools for improved user experience.
- Increased accessibility by providing instant views of timetable, attendance, and grades, integrated with a smart GPA calculator.
- Link: [//VTOPShortcut](#)

**SPENDWISE: EXPENSE TRACKER** | MERN STACK APPLICATION

January 2024 – March 2024

- Developed a budgeting and expense tracking web app with real-time tracking, interactive charts, and AI-powered summary for efficient financial management.
- Link: [//SpendWise](#)

**QUIZ GENERATOR: PDF TO QUIZ GENERATOR** | MERN STACK APPLICATION

March 2023 – May 2023

- Developed AI quiz generator that converts PDF content into customizable quizzes, enabling instructors to create 50+ quizzes weekly within the first two months of implementation..
- Link: [//Quiz-generator](#)

## ACHIEVEMENTS

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**CYBERNEX HACKATHON**

- Recognized with 1st place for developing a secure file upload system that encrypts data during transfer and storage, ensuring privacy and protection.
- 1st Place: Developed a secure file upload system with end-to-end encryption, ensuring data privacy and protection. Demonstrated advanced cybersecurity innovation and excellence in encryption techniques.

**VOLUNTEERING**

- Started a chapter at my school, increasing student participation and awareness by 3-4 schools.

## EDUCATION

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**VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL**

B.Tech in Computer Science and Engineering

CGPA: 8.65/10

May 2022 – June 2026

Bhopal, Madhya Pradesh