Narendra Singh Chouhan

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TECHNICAL SKILLS

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

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

DevOps and Tools: Git, Docker, GitHub, AWS

Databases: MongoDB, MySQL

Concepts: Software Development, REST APIs, Data Structures and Algorithms, Artificial Intelligence

EXPERIENCE

IoT Club | *Core Member – Design & TECHNICAL Team* | *VIT Bhopal* | *Full Stack*   *October 2024 – January 2025*

BACK-END TYPESCRIPT | NEXT | MONGODB
- Engineered IoT project infrastructure with SSR and API caching, streamlining workflows and reducing manual effort by 85%.

FRONT-END TYPESCRIPT | NEXT
- Architected a complete UI from scratch, integrating key tools, boosting FCP by 40%, and enhancing user accessibility.

DESIGN LEAD ADOBE ILLUSTRATOR
- Designed posters, social media graphics and event banners with Adobe Illustrator and Canva, boosting event engagement by 60%.

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%.

PROJECTS

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*

VIT BHOPAL CONFESSIONS: ANONYMOUS CONFESSIONS | *FLASK WEB APPLICATION*   *February2025 – March 2024*
- Launched a dedicated anonymous platform for the VIT Bhopal student community to share confessions and experiences, focused on student well-being and inclusivity.
- Orchestrated using Flask with secure VIT email-based authentication, category tagging, and content moderation for a safe, considerate environment.
- Link:*//**vitbhopalconfession.me*

QUIZ GENERATOR: PDF TO QUIZ GENERATOR | *MERN STACK APPLICATION*   *March 2023 – May 2023*
- Built 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

PROJECT EXHIBITIONS
- Secured 1st place at tech exhibition for developing a secure file upload system with encrypted transfer and storage protocols.
- Built a voice-enabled billing system in Python for a dairy shop, automating daily billing and reducing manual effort.

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL   **May 2022 – June 2026**

B.Tech in Computer Science and Engineering   *Bhopal, Madhya Pradesh*

CGPA: 8.65/10

Course Work: Intermediate DSA, Software Engineering, Operating Systems, Cloud Computing, Computer Networks, ML