Niranjan Kumar Chaurasiya

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Education

Vellore Institute of Technology (VIT)
Bachelor of Technology in Computer Science & Engineering
CGPA:**8.44**

2022 - 2026

Projects

Preppo *(Full Stack) | React.js, Node.js, Firebase, Gemini API, HTML, CSS, JavaScript*   Link   Github
- Designed and launched a responsive learning platform with 600 quizzes across 6 CS subjects for students, featuring instant feedback, structured assessments, and persistent progress tracking via Firestore.
- Integrated Gemini API to deliver real-time AI-generated content for 100+ topics, reducing manual content creation by 90% and enabling scalable coverage across core Computer Science areas.
- Built a modern, mobile-first UI using React.js, implemented secure auth with Firebase and Node.js, and optimized   performance with modular code and real-time sync.

VITsta360 *(Full Stack) | HTML, CSS, JavaScript, Three.js, React.js*   Link   Github
- Designed and Developed a virtual tour platform using advanced web technologies, showcasing 10+ campus locations and 10+ key facilities, enhancing campus exploration for 500+ students with 360-degree street view
- Implemented a user-friendly interface with React.js and Node.js, featuring 20+ informational hotspots of VIT Campus and videos with 100% responsive design for seamless experience across all devices
- Utilized Three.js and Blender for advanced 3D visualization and rendering capabilities to create immersive virtual tour experiences.

Sales Analysis *(Data Analysis) | Python, Pandas, Power BI*   Github
- Executed an end-to-end analysis workflow, transforming raw retail data using Python (Pandas) and building an interactive Power BI dashboard to provide actionable sales insights.
- Developed a dynamic Power BI dashboard to visualize key metrics—including sales trends, top products, and payment methods—featuring an interactive slicer for drill-down analysis.
- Engineered a robust data cleaning process in Python to handle missing values, standardize data types (e.g., Excel date formats), and remove transactional inconsistencies to ensure data integrity.

Customer Churn Analysis *(Data Analysis) | Python, Pandas, Power BI*   Github
- Analyzed a 7,000+ customer dataset in Power BI, identifying that Month-to-Month contracts were the top churn driver with a 42% rate—over 3.5 times higher than annual contracts.
- Developed a BI dashboard using DAX which revealed that customers using Electronic Check had a 45% churn rate, nearly triple the attrition of those using automated payment methods.

Skills

Languages : C++, Python   **Framework:** ReactJs, NodeJs, ExpressJs,Tailwind Css
Database: SQL, MongoDB   **Tools & Technologies :** Git, Github, Firebase,Pandas, PowerBI, Excel

Achievements and Certifications

Achievements - Secured Global Rank of **3730** in **TCS CodeVita** (Season XII) and **2759** (Season XIII)
Certifications - IBM Devops

Additional

Language Skills: English, Hindi,Nepali
Volunteer Experience: Handled Events in Blockchain Club VIT Bhopal as Club Co-Ordinator. Apart from Clubs, actively participate in Stock Research..
Interests/Hobbies: Badminton, Chess & Reading.