Simran

Github: https://github.com/Sims-yd
LinkedIn: linkedin.com/in/simran223/

Email: simranyadav6119@gmail.com
Mobile: +91-7007654569

EDUCATION

- **Vellore Institute of Technology** Bhopal, India
  Bachelor of Technology - Computer Science and Engineering; GPA: 8.43 *Aug 2022 – Aug 2026*

- **Universal Public School** Chandaulil, India
  ICSE: Percentile: 76 *May 2020 – May 2021*

- **St. John's School** Chandauli, India
  ICSE: Percentile: 82.0 *May 2018 – May 2019*

SKILLS

- **Languages**: Python,HTML,CSS, JavaScript, React.js,Java, SQL

- **Technologies**: AWS, GitHub, Docker

- **Tools and Frameworks**: FastAPI, MongoDB Atlas, Node.js

PROJECTS

- **Job Seeking Web Application**: Built a MERN-stack job portal for remote job seekers with resume generation and job application features. Added filters based on user availability for a tailored job search experience..
- **Craft Connect**: Developed a full-stack local services platform that connects users with professionals like electricians, plumbers, and carpenters. Engineered a serverless backend utilizing Node.js, increasing API response rate by 60ms and enabling the application to handle 500 concurrent users with zero downtime. Implemented an AI chatbot for instant user queries, geolocation-based service matching, and dynamic pricing algorithms for cost optimization.
- **Hospital Management System** : Developed a hospital management system to streamline patient records, doctor appointments, and billing processes. Implemented role-based access for doctors, patients, and administrators. Integrated a database for secure storage and retrieval of patient information. Improved efficiency in hospital operations by automating appointment scheduling and medical record management
- **AutoDoc-AI Conversational resume generator bot**: Bot tech of conversational resume generator used: IBM WatsonX.ai, Python, Streamlit, Granite-13B-Instruct, python-docx Built an AI-powered chatbot that collects user input and generates structured .docx resumes. Used IBM WatsonX Granite-13B-Instruct for content generation and Streamlit for a conversational UI. Implemented real-time formatting, input validation, and dynamic resume creation.

EXPERIENCE

- **Indian Space Lab** Bhopal, India
  Intern *Dec 2024 – Jan 2025*
  - **Satellite Data Analysis**: Developed a framework for automated quality control of satellite data, flagging over 1,000 anomalies per month and ensuring data integrity for downstream applications.

INDUSTRIAL INTERNSHIP AND CERTIFICATION

- **AWS Solutions Architect - Associate Internship Program**: Gained hands-on experience in designing, deploying, and optimizing secure, scalable cloud architectures on AWS
- **GEN AI Using IBM Watsonx**: Acquired practical skills in building, deploying, and managing generative AI models and solutions on the IBM Watsonx platform.
- **The Bits and Bytes of Computer Networking, Google**: Developed foundational knowledge in networking protocols, cloud computing, and troubleshooting network issues.
- **Cloud Computing, IIT Kharagpur**: Gained comprehensive understanding of cloud service models, virtualization, and distributed systems architecture.

ADDITIONAL

- **Languages**: English, Hindi

- **Hobbies**: Sports, Dancing, Problem solving