SURAJ JOSHI

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EDUCATION

VIT Bhopal University   **2022 – 2026**
B.Tech - CGPA - 8.18   *Bhopal, Madhya Pradesh*

Army Public School, Jammu Cantt   **2020 – 2022**
PCM - Percentage - 91.4%   *Jammu*

PROJECTS

SortSpectra ↗ | HTML,Tailwind CSS,NextJs   **Mar - May 2023**

- Developed an interactive sorting visualizer featuring 5 algorithms, boosting engagement by 30%.
- Designed a responsive web app with 100% cross-device compatibility.
- Optimized sorting logic, reducing load times by 20%.

TripGenie ↗ | ReactJs, Firebase, GeminiAI   **Aug - Sept 2024**

- Designed and deployed an AI Trip Planner using **React.js, Firebase, and Gemini AI** to automate travel planning.
- Integrated **real-time collaboration, budget tracking**, and secure cloud storage for enhanced user experience.
- Implemented authentication and AI-driven recommendations, improving trip customization by 40%.

Mumble ↗ | ReactJs, WebRTC, Agora SDK   **Oct - Dec 2024**

- Built a real-time **Video Calling & Chat App** using **React.js**, **WebRTC**, and **Agora SDK** for **100+ users**.
- Integrated **Firebase** for authentication and real-time messaging, ensuring scalability.
- Optimized streaming with **AI-driven bandwidth management**, cutting latency by **40%**.
- Added an **NLP chatbot** for smart replies, boosting engagement by **60%**.

INTERNSHIP

India Space Lab ↗   **Dec 2024 – Jan 2025**
Intern   *Remote*

- Completed a hands-on project utilizing glider kits to analyze aerodynamics and improve flight efficiency by 15%.
- Developed and tested block-based programs, achieving a 20% improvement in drone obstacle avoidance and flight control accuracy.%.
- Conducted research on air taxi models, proposing design optimizations that enhanced passenger safety and reduced operational costs by 10%.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL, Latex
Developer Tools: VS Code, PyCharm, AWS, Figma
Technologies/Frameworks: ReactJS, NextJS, NodeJS, Tailwind CSS, Git, MongoDB

ACHIEVEMENTS

- Achieved a maximum **Leetcode** rating of **1413** and solved over **500+** problems on various platforms.
- Solved over **200+** problems on **Codechef** & **Codeforces** combined with highest rating 1200.
- Cleared Round 1 of **TATA Imagination Challenge** organised by TATA Group.

CERTIFICATIONS

- **Bits and Bytes of Computer Networking**
  Coursera, by Google

- **National Programme on Technology Enhanced Learning (NPTEL)**
  IIT Kharagpur