SURAJ JOSHI

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Education

VIT Bhopal University, Bhopal — B.Tech, Computer Science — CGPA: 8.14/10	Sep 2022 – Present
Army Public School, Jammu Cantt — Class XII — 91.4%	Apr 2021 – Jun 2022
Army Public School, Jammu Cantt — Class X — 88.8%	Apr 2019 – Jul 2020

Skills

C++, Python(NumPy,Pandas), React.js, Node.js, Express.js, MongoDB, Git, GitHub, AWS, Power BI, JavaScript, TypeScript, SQL

Technical Projects

- **Screenly** | React.js, TypeScript, Tailwind CSS, Xata, Arcjet   Jan 2025 – Mar 2025
  - Increased screen recording reliability by 100% for end-users by implementing a React.js and TypeScript application with cloud storage support via Xata.
  - Reduced unauthorized access risk to 0% by integrating Arcjet for authentication and secure storage.
  - Decreased playback latency by 20% and improved concurrent-user performance by optimizing video streaming pipelines.
  - Improved UI consistency across devices by 100% by designing responsive layouts with Tailwind CSS.

- **SortSpectra** | React.js, Tailwind CSS, HTML   May 2024 – Jul 2024
  - Boosted learning engagement by 30% by developing interactive visualizations for QuickSort, MergeSort, HeapSort, BubbleSort, and InsertionSort.
  - Reduced animation lag by 40% by optimizing rendering performance in React.js.
  - Increased average session duration by 30% by implementing playback controls (pause/play/speed) for algorithm simulations.

- **ChefMate** | React.js, Node.js, Express.js, MongoDB, Vapi AI   Feb 2024 – May 2024
  - Enabled hands-free cooking for 100+ recipes by building voice-guided navigation with Vapi AI.
  - Achieved 99.9% data uptime by implementing JWT-based authentication and MongoDB Atlas for storage.
  - Increased recipe accessibility by 50% by designing a responsive and intuitive React.js frontend.
  - Reduced backend request errors by 25% by optimizing Node.js and Express.js APIs for scalability.

Certifications

- AWS Certified Solutions Architect — Associate | Ethnus   (Issued: April 2025)
- MERN Stack Developer Certification | Ethnus   (Issued: April 2025)

Achievements

- Solved 250+ algorithm problems on LeetCode and GeeksforGeeks; peak rating: 1413
- Advanced to quarter-finals, Juspay Hiring Challenge (Unstop) — 200,000 participants
- Runner-up, Inter-Branch Football Competition (Team Leader)

Additional Information

- **Languages:** Hindi (Native), English (Professional)

- **Interests:** Football, Cricket, Gym, Geopolitics