Vaibhav Surana

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Technical Skills

Languages and DataBases: C++, Java, SQL, MongoDb
Web Development: React, Figma, HTML, CSS, JavaScript, Node.js, Express, REST APIs
Cloud & Infrastructure:

- AWS (EC2, S3, IAM), Azure & GCP basics
- Linux system operations (file system, permissions, networking tools)
- Virtualization (VMs, VMware basics)
- Docker & Kubernetes fundamentals
- Networking (subnets, DNS, routing basics)

Experience

Placement Portal Development Team | IET DAVV   **10/2025 - Present**

- Leading the frontend team, driving development with React in a MERN stack environment to create an intuitive and efficient platform for students and recruiters.
- Conducted in-depth requirement analysis and feature planning, defining user roles and optimizing workflows to enhance usability and system efficiency.
- Collaborated on database design and system architecture, ensuring smooth data integration between frontend and backend for a scalable and robust platform.

Smart India Hackathon, 2024 | Ministry of Housing and Urban Affairs (Live) (Code)   **08/2024 - 09/2024**

- Collaborated for a digital platform using React and Firebase to streamline project execution, improving collaboration efficiency.
- Implemented task scheduling, reporting, and unified project phasing, reducing mis-coordination across departments.
- Integrated the Leaflet API for interactive maps, enhancing conflict resolution and reducing delays.
- Launched a discussion forum aimed at enhancing public engagement in urban projects, resulting in a increase in community feedback and participation rates in subsequent project planning sessions over six months.

Projects

AWS-Powered Automated Portfolio (Live CI/CD Deployment)

- Built and deployed a fully automated personal portfolio on AWS S3 integrated with GitHub Actions CI/CD, enabling real-time updates on every code push without manual deployment.
- Implemented end-to-end cloud architecture including S3 static hosting, IAM roles, access policies, versioning, and automated sync pipelines, showcasing practical cloud deployment proficiency.
- Demonstrated Cloud fundamentals including infrastructure automation, web hosting, access control, and scalable content delivery, similar to real-world production cloud environments.

Github Link: https://github.com/VSurana1310/AWS_Portfolio_CICD

Website Blocker Application | Networking & System-Level Scripting

- Created a tool that blocks access to selected websites by modifying the system's hosts file to override DNS resolution and redirect domains to localhost.
- Added time-based blocking to automate restrictions during specific hours, simulating DNS-level access control for improved focus and productivity.

Github Link: https://github.com/VSurana1310/Website_Blocker

Education

Institute of Engineering and Technology, DAVV, *Indore, M.P.*		**2022-2026**
Bachelor of Engineering (B.E.) | **Computer Science**	(CGPA**: 9.33**)	
Delhi International School**,** *Indore, M.P.* **Class XII**	(Percentage**: 96%**)	**2021-2022**
Delhi International School**,** *Indore, M.P.* **Class X**	(Percentage**: 94%**)	**2019-2020**

Key Achievement

- **Team Lead** – Design Team, Feedbox Marketing Club, IET DAVV
- Cleared Stage 1 of the **National Talent Search Examination (NTSE),** 2020
- Video Editor – Banking Exam YouTube Channel Banker's Couple (**66K+ Subscribers**)