Sahil Raza Ansari

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Full-Stack Developer specializing in **MERN Stack (MongoDB, Express.js, React, Node.js)** and **Flutter**, with hands-on experience building **scalable web/mobile solutions.** Developed and migrated a **high-traffic IEEE conference website (100+ daily users)** from **React.js** to **WordPress** as a **solo developer**. Proficient in **REST APIs, JWT authentication,** and **Git** for backend workflows, with 6**00+ DSA problems solved (LeetCode, GFG, Codeforces).**

Education

Indian Institute Of Information Technology Design and Manufacturing Kancheepuram *Nov, 2022 - July, 2026*

- **Major:** Electronics and Communication Engineering, BTech
- **CGPA:** 9.11

Skills

JavaScript (ES6+) Python Dart HTML5 **Flutter** Material UI **NodeJS** Express **C/C++** **ReactJS** **JWT**
Rest APIs **Firebase** **MongoDB** **Git/GitHub** **Postman** WordPress Wix **Data Structures & Algorithms**
OOPs **Redux** CSS3

Work Experience

Software Engineer Intern | *Certimate Infotech Pvt. Ltd. (Hybrid)* [Here] *April, 2025 - Present*
- Spearheaded the development of a **modern conference management platform**, enhancing UX and functionality **beyond tools like EasyChair and Microsoft CMT.**
- Built and delivered **two production-ready modules in under a month:**
  - A **high-performance bulk certificate generator,** reducing generation time for **1000+ certificates from ~30 minutes to just 1–2 seconds** per download using a **metadata-driven, on-demand PDF rendering approach.**
  - A personalized **bulk email sender**, enabling organizers to **send thousands of customized emails instantly.**
- Currently building **core conference workflows** (submission, review, scheduling) to **complete the full CMT system.**

Web Developer | *WAMS 2025 Conference (Remote)* [Here] *March, 2024 - May, 2025*
- Drove a **830% YoY increase** in total website visits **(from ~1k in 2024 to 9.3k by May 2025)** for WAMS 2025, setting a **new traffic record across all editions.**
- **Enabled seamless scaling for 500+ global attendees** by developing and maintaining the **conference's official website**, ensuring **0 downtime during the event.**
- **Reduced frontend maintenance time by 30%** after **migrating from React to WordPress**, aligning the platform with WAMS 2023/2024 frameworks.
- Boosted **unique visitors** by **66.7% (3k → 5k)** post-migration through **improved accessibility and performance**.

Software Projects

CodeTrace | Visual Debugging Assistant, *1st Place, Vashisht Hackathon 2025* [Here] *Dec, 2024 - Jan 2025*
- Developed a web app that **visualizes code execution and variable states** with intuitive, **interactive visualizations to simplify** complex code comprehension.
- Engineered an **AI-powered pipeline using LLaMA 3.2** and **advanced prompt engineering** to generate detailed logic explanations and identify potential bugs.
- Designed modular prompt refinement **inspired by bolt.new's architecture**, achieving **90%+ accuracy and consistent model outputs.**
- **Created 10+ interactive coding challenges** to engage users and enhance practical debugging and comprehension skills.

Plantify | *Plant E-Commerce Mobile App, Flutter, Firebase, Dart* [Here] *Dec, 2024 - Jan 2025*
- **Developed a mobile app featuring CRUD operations and Firebase authentication, achieving sub-second latency in real-time interactions during stress testing.**
- **Engineered a responsive UI aligned with Material Design guidelines, reducing navigation time by 30% and enhancing usability metrics.**
- **Integrated Firebase Realtime Database to ensure synchronized data management with 99.9% uptime under load testing with 200+ users.**
- **Validated application stability through peer evaluations, receiving 90% positive feedback on usability, performance, and reliability.**

Achievements

- **LeetCode:** Solved **400+ coding challenges on LeetCode**, with **65% at medium difficulty**, showcasing proficiency in **arrays, trees, graphs, and Dp.** [Here]
- **Outstanding Male Student Volunteer,** WAMS 2025:
  - Awarded for **exemplary contribution to WAMS 2025** as a **web developer**, including **full website development and regular maintenance** throughout the event lifecycle.
- **1st** Place – **Vashisht Hackathon 2.O 2025**, AI Track
- **Graphs Camp by Codeforces Master Manas Kumar Verma**: **Mastered 17+ advanced graph algorithms** (e.g., **BFS/DFS optimizations, Dijkstra's, Kruskal's) in 3 days**, also successfully solved all **three chocolate problems** and got featured in the **Hall of Fame.**