

Aryan Sharma

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Summary

Computer Science student with a strong foundation in **software development, data structures, and algorithms**. Proficient in **Java, Python, and JavaScript**, with hands-on experience in **building scalable applications** through **projects** and **open sourcing**. Skilled in **full-stack development** using **React** and **Node.js**, along with **database management** in **SQL** and **Mongo DB**. Familiar with **Git for version control** and **cloud technologies** such as **AWS** and **AI Development**. Seeking an opportunity to contribute **technical expertise and problem-solving skills** to a **dynamic development team**.

Education

Vellore Institute of Technology, Bhopal

June 2022 - June 2026

Bachelor of Technology in Computer Science (CGPA 9.01)

Madhya Pradesh, India

Experience

Collaborator – Girl Script Summer of Code, Girl Script Foundation

May, 2024 – August, 2024

- Merged **21+ pull requests** into open-source projects, significantly improving **codebase efficiency, performance, and feature functionality** across multiple repositories.
- Ranked **152 out of 2400+ participants** by actively **resolving issues, implementing new features, and improving project documentation** to enhance overall code quality.

Projects

Cloud Quill | Next.js, React, Tailwind CSS, Convex DB, Live blocks | github.com/aryansharma220/cloud-quill

- Developed a real-time document editing platform **supporting 100+ simultaneous users**, ensuring seamless collaboration.
- Optimized document rendering logic, reducing load times by **40%** for enhanced performance.
- Integrated Live blocks for real-time multi-user synchronization, achieving an average latency of **<100 milliseconds**.

Wander Trail | React.js, Firebase, Google Places API, Tailwind CSS, Shad CN UI | github.com/aryansharma220/wander-trail

- Engineered an AI-powered trip planner generating **20+ optimized itineraries per session**, reducing manual effort by **60%**.
- Implemented Google Places API for dynamic location suggestions, improving search efficiency by **50%**.

On The Go | React.js, Node.js, Express.js, MongoDB, Firebase, Tailwind CSS | github.com/aryansharma220/on-the-go

- Developed a scalable backend architecture, **reducing API response times by 30%**.
- Integrated **Google authentication**, securing **98% of login attempts** while maintaining zero security breaches.
- Optimized Mongo DB queries, **reducing data retrieval time by 35%**, enhancing search performance.

Skills

- Languages:** Java, JavaScript, Structured Query Language, Python, HTML, CSS
- Technologies:** React.js, MERN Stack, Next.js, Node.js, Git, GitHub, Postman, MongoDB, MySQL, Amazon Web Services
- Concepts:** Object-Oriented Programming, Data Structures & Algorithms, Computer Networks, Operating Systems, Cloud Computing, Version Control
- Soft Skills:** Problem Solving & Logical Thinking, Collaboration, Effective Communication, Adaptability

Certifications

- Cloud Computing (Gold Tier) – [NPTEL](https://www.nptel.ac.in/), 2024
- GitHub Foundations Certification - [GitHub](https://github.com/), 2025

Achievements

- Adobe Hackathon (2024) - Placed in the **top 5%** of teams in Adobe's hackathon.
- Reached the **pre-final round** of the hackathon organized by Providence India.
- Solved over **600+ DSA questions** on Leet code and Geeks for Geeks.