

Aryan Sharma

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PROFESSIONAL SUMMARY

Motivated and innovative **Computer Science** student with a solid background in designing and implementing advanced **web applications** and **AI-driven solutions**. Skilled in **full-stack development** and experienced in solving **complex problems**, with a strong passion for developing **user-focused** and **impactful technologies**.

SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, SQL

Development Tools & Frameworks: MERN Stack (MongoDB, Express JS, React JS, Node JS), Next JS, Git, GitHub, Postman

Core Skills: Data Structures, Algorithms, Computer Networks, Cloud Computing

Soft Skills: Leadership, Problem Solving, Collaboration, Communication, Adaptability

PROJECTS

Cloud Quill - <https://cloud-quill.vercel.app/>

Real-time collaboration document editor

- Designed and implemented **real-time collaboration features** using **Live Blocks**, improving team productivity by **40%** and minimizing lag.
- Developed a **rich-text editor** with export options and integrated **document templates**, increasing **user retention by 35%** due to enhanced usability.
- Ensured **99.8% uptime** for seamless document synchronization across **personal and organizational accounts** using **convex database**, ensuring reliability in real-time operations.
- Integrated **version control** and **commenting features**, improving team collaboration by enabling users to track document changes and add feedback.

On The Go - <https://onthego-swcc.onrender.com/>

Travel Management Platform

- Built a **scalable backend** with **Node.js** and **MongoDB**, optimizing **API response times by 30%** and **reducing page load times by 40%**, enhancing user experience.
- Implemented **secure user authentication** with **Google OAuth** and **Firebase**, supporting **1,500+ active users** while ensuring data privacy and security.
- Enhanced **user engagement by 25%** by designing a **responsive UI** optimized for mobile and desktop usage, improving overall usability.

WORK EXPERIENCE

Girl Script Summer of Code - Contributor

May – Aug 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.
- Collaborated with a diverse team, reported to the Program Manager, and contributed to team-led projects that elevated project quality and improved collaboration.

CERTIFICATIONS & ACHIEVEMENTS

- Postman API Fundamentals Student Expert Certification – Postman
- Cloud Computing (Gold Tier) – NPTEL
- Data Structures and Algorithms – Geeks for Geeks
- J.P. Morgan Software Engineering Virtual Experience – Forage
- Placed in the **top 5%** in the **GFG x Adobe Gen Solve hackathon**, out of **10,000+ students**.
- Reached the **pre-final round** of the **LEAP Idea Thon** with the **Heal Nav project**, addressing **community health** and **AI-powered solutions** that leverage technology for rural healthcare access.

EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering – (CGPA -9.01)

Aug 2022 – Ongoing

Bhopal, Madhya Pradesh