

HARSH SINGH

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Summary

Complex problem-solver with analytical and driven mindset. Dedicated to achieving demanding development objectives according to tight schedules while producing impeccable code.

Education

Pimpri Chinchwad College of Engineering and Research, Pune

Nov 2022 - Jul 2026

B.E. in Computer Engineering

8.68 CGPA

Work Experience

Freelance Developer

Sept 2023 – Present

- Delivered on **10 industry-level projects** in backend and full stack development, enhancing business solutions.
- **Technologies:** Java, NodeJS, ReactJS and Blockchain technologies like Solana, Solidity and Ethereum

Back-end Developer at a Tech Startup

Aug 2024 – Nov 2024

- Developed a Real-time collaborative text-editor with a **20% increase** in user traffic.
- **Technologies:** JavaScript, NodeJS, Astro, Svelte, Yjs, Cloudflare.

Zakki (Remote) — Back-end Developer Intern

Feb 2023 – Jun 2023

- Engineered a scalable architecture leading to a **30% increase** in website traffic and enhanced database performance.
- Collaborated with an international team, ensuring On-time project delivery and satisfaction of stakeholders.
- **Technologies:** NodeJS, Express, MongoDB, Postman, RESTful API

Projects

Creator Central

- Developed a comprehensive video hosting platform.
- Improved user security and reduced login fraud by 40% through the implementation of JWT, bcrypt, and access/refresh tokens.
- Optimized video processing, reducing latency by 30% with Cloudinary and Cloudflare.
- **Tech Stack:** JavaScript, NodeJS, MongoDB, JWT, Cloudinary, bcrypt, Cloudflare

Research Paper Dapp

- Created a decentralized application with 80% user retention, facilitating 5+ validated ideas.
- Designed an interface reducing onboarding time by 25% and added real-time collaboration.
- Secured transactions with Solidity smart contracts.
- **Tech Stack:** Svelte, Solidity, Forge, Posthog, TypeScript

Skills

Languages: Python, Java, C++, JavaScript, TypeScript, Rust

Web Development: Node.js, Next.js, React.js, Astro, Svelte, Express

Cloud & Databases: GCP, AWS, Cloudflare, PostgreSQL, MongoDB, SQL

Developer Tools: Git, Docker, PostHog, Prometheus, Grafana

AI/ML: NLP, Computer Vision, Machine Learning, Deep Learning, PyTorch

Blockchain: Cryptography, Solidity, Ethereum, Aptos

Operating Systems: Windows, Linux, Unix

Certification & Awards

- **Certified** Oracle Academy SQL Developer with strong expertise in database management.
- **Certified** GitHub Foundations Developer.
- Achieved top results in 5+ Web3 and Blockchain bounty programs, demonstrating advanced technical skills.
- Collaborated as a key contributor on multidisciplinary teams during 7 international coding competitions.

Position of Responsibility

- Facilitator, GDSC PCCOER: Led 5+ Cybersecurity events, enhancing student engagement and learning.
- Team Lead: Guided teams in Google Solution Challenge 2024 and Smart India Hackathon 2023 & 2024, delivering innovative solutions.