

HARSH SINGH

Full Stack Web Developer | React and Java Enthusiast | Open Source Contributor

✉ hs1663531@gmail.com | 📞 +91 9879348760

🐙 [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | [CodeChef](#) | [Codeforces](#)

EDUCATION

Sarvajani College of Engineering and Technology , Surat, India	Jul 2023 – Jul 2027
Bachelor of Technology in Information Technology	
CGPA: 9.0/10.0	
St. Xavier's High School , Surat, India	2020 – 2022
Higher Secondary (Science)	
Percentage: 88%	
IIT Madras (Remote Program)	Jun 2025 – Aug 2025
AI and ML Program	

EXPERIENCE

Campus Mantri , GeeksforGeeks (Remote)	Apr 2025 – Apr 2026
Promoted coding culture by organizing workshops, sharing resources, and driving participation in GeeksforGeeks events.	
Web and Java Developer Intern , OctaNet Services Pvt. Ltd. (Remote)	Jun 2025 – Jul 2025
Built and maintained web applications using Java, HTML, CSS, and JavaScript with backend and database integration.	
React Developer Intern , Krtiya Technologies Pvt. Ltd.	Jun 2025 – Sep 2025
Developed responsive React.js interfaces, integrated REST APIs, and optimized frontend performance.	
Software Engineer Intern (Google Summer of Code 2026) , NumFOCUS – SciML (Remote)	May 2026 – Present
- Contributing to SciML ecosystem by developing and improving numerical solvers in Julia for ODE, SDE, DAE, and DDE problems. - Working on benchmarking, CI debugging, and performance optimization for scientific machine learning libraries.	

TECHNICAL PROJECTS AND OPEN SOURCE

OrdinaryDiffEq.jl (SciML Contributor)	[GitHub]
Contributed to the development and maintenance of high-performance ODE and DAE solvers in Julia, resolving bugs (e.g. Magnus integrators), investigating convergence order tests, and implementing solver enhancements. (Julia, DifferentialEquations.jl, SciML)	
SciMLBenchmarks.jl DAE Benchmark Suite	[GitHub]
Contributed DAE benchmarks in Julia using DifferentialEquations.jl and ModelingToolkit.jl to improve solver benchmarking. (Julia, ModelingToolkit.jl, DifferentialEquations.jl, Shell)	
FaceGuard	[GitHub]
Offline-first facial recognition and liveness detection system for React Native (Android & iOS) with on-device MobileFaceNet TFLite model inference, challenges (blink/smile), and local SQLite database. (React Native, Expo SDK, TFLite, SQLite, Zustand, Reanimated, TypeScript)	
The Happy Attire	[GitHub]
A premium ethnic fashion e-commerce storefront with product catalogue, admin management dashboard, wishlist, live search, checkout cart, and persistent storage. (React, Vite, CSS Variables, localStorage, Lucide Icons)	
Meshery Contributor (GSoC 2025 Applicant)	[GitHub]
Contributed to Meshery in MeshSync, Playwright-based end-to-end testing, issue triaging, and proposal discussions. (Go, JavaScript, YAML, Playwright, Git)	
Additional work: smart-campus-issue-reporting, URL Shortener, Encryption-Decryption Web App, Twenty CRM, trigger.dev, retro-snake-ai, ODEInterfaceDiffEq.jl	

TECHNICAL SKILLS

- Languages:** C++, Java, JavaScript, TypeScript, Golang, Python, Julia
- Frameworks and Libraries:** React.js, Node.js, Express.js, Bootstrap, Flask
- Databases:** MySQL, PostgreSQL, MongoDB, SQLite, Firebase
- Developer Tools:** Git, GitHub, VS Code, Figma, Postman, Android Studio, Playwright

CERTIFICATIONS

- GfG 160 (Summer Workshops), AINCAT, Google Analytics, Python (Basic - HackerRank), Deloitte Australia Data Analytics Simulation.

HONORS AND AWARDS

- Winner, Tech Mic: Secured 1st place in a technical speaking and presentation competition.
- Top 100 Rank in Physics (CUET): Achieved an All India Top-100 rank in Physics.
- JEE Main Qualified: Cleared the national engineering entrance examination.
- Competitive Programming: Codeforces max rating 1495 (Specialist).