

Deepanshu Singla

deepanshusingla0076@gmail.com | +91 83073 98746 | github.com/deepanshusingla076 | linkedin.com/in/deepanshu-singla

Summary

Computer Science student and **Full-Stack Developer** skilled in building scalable, user-centric web applications using **React.js**, **Node.js**, and **Next.js**. Experienced in RESTful API design, UI optimization, and modern DevOps workflows. Exploring how **AI and machine learning** can enhance intelligent, data-driven systems. Passionate about open-source collaboration, clean architecture, and impactful solutions.

Education

Chitkara University, Punjab <i>B.E. in Computer Science and Engineering — CGPA: 9.15</i>	2023 – 2027
K.V.M Sr. Sec. School, Panchkula (CBSE) <i>Class XII — 72.6%</i>	2023
K.V.M Sr. Sec. School, Panchkula (CBSE) <i>Class X — 91.4%</i>	2021

Technical Skills

Languages: Java, C++, Python, JavaScript, TypeScript
Frontend: React.js, Next.js, Tailwind CSS, Redux Toolkit
Backend: Node.js, Express.js, FastAPI, REST APIs, Socket.IO
Databases: MongoDB, PostgreSQL, Firebase, SQL, Redis
Tools & Platforms: Git, GitHub, Postman, AWS, VS Code, Linux

Key Projects

FiSight — AI-Powered Financial Analytics Platform <i>Next.js 14, Firebase, FastAPI, Gemini AI</i>	May 2025 – Oct 2025
– Developed full-stack analytics platform using Next.js 14 , Firebase Cloud , and Gemini AI for financial insights.	
– Integrated FastAPI microservice for ML predictions, email automation, and secure OAuth 2.0 authentication.	
– Created responsive dashboards with React 18 and Chart.js ; deployed CI/CD pipeline via Firebase Hosting .	
AetherMeet — Real-Time Ephemeral Messaging Platform <i>Node.js, Express, MongoDB, Socket.IO</i>	Oct 2025 – Nov 2025
– Engineered chat platform with 8 Socket.IO events and 50+ REST endpoints for messaging, voting, and media sharing.	
– Optimized MongoDB using 5 collections and 8 indexes (3 compound, 1 TTL) enabling 30-day cleanup and infinite history.	
– Implemented multi-layered security : Helmet.js, JWT+bcrypt auth, rate limiting, sanitization, and file validation (50MB).	
Ultrasound Image Segmentation <i>Python, TensorFlow, OpenCV</i>	Dec 2024 – Feb 2025
– Designed CNN achieving 90% accuracy in ultrasound image segmentation with enhanced edge detection.	
– Automated preprocessing and evaluation pipelines ensuring efficient, reproducible model training.	

Experience

Web Development Intern — Tech OctaNet (Remote)	Feb 2025 – Mar 2025
– Built full-stack modules using React.js , Node.js , and Express.js improving reusability and performance.	
– Enhanced frontend scalability via reusable hooks and context-based state management.	
– Collaborated in Agile sprints, performed code reviews, and contributed to CI/CD pipelines.	
Open Source Contributor — GirlScript Summer of Code (GSSoC)	Jul 2025 – Present
– Contributed to open-source repositories by fixing bugs, refactoring code, and improving documentation.	
– Implemented React.js features and optimized GitHub Actions for automated testing and deployment.	
– Collaborated with mentors and contributors through PR reviews and issue discussions.	

Achievements & Certifications

Participated in hackathons: **BharatTechperience 2.0**, **Hackentine**, **GDG Hacks**, and **Google Cloud Agentic AI Day 2025**. Completed **160 Days of Problem Solving (GfG)**; certified in **Python (Coding Ninjas)** and **Cloud Computing (Coursera)**.