

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 B.E. in Computer Science and Engineering — CGPA: 9.15	2023 – 2027
K.V.M Sr. Sec. School, Panchkula (CBSE) Class XII — 72.6%	2023
K.V.M Sr. Sec. School, Panchkula (CBSE) Class X — 91.4%	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 Next.js 14, Firebase, FastAPI, Gemini AI	May 2025 – Oct 2025
<ul style="list-style-type: none">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 Node.js, Express, MongoDB, Socket.IO	Oct 2025 – Nov 2025
<ul style="list-style-type: none">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 Python, TensorFlow, OpenCV	Dec 2024 – Feb 2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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) .