

DEEPANSHU GOEL

Hyderabad, India | +91-8810-421579 | deepanshu.goel.dev@gmail.com
[linkedin.com/in/deepanshuweb](https://www.linkedin.com/in/deepanshuweb) | github.com/symaticvisuals

SUMMARY

Full Stack Engineer with 3+ years building AI-native web applications, most recently embedding engineering expertise directly into client operations as a Forward Deployed Engineer. Delivered measurable outcomes including 50% faster client integrations and 15% improved user retention through LLM-powered features. Specializes in React/Next.js frontends, Node.js/NestJS backends, and production-grade CI/CD pipelines using LangChain and OpenAI on AWS.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Material UI, Shadcn UI
Backend: Node.js, Express.js, NestJS, REST API, GraphQL, PostgreSQL, Firebase
AI/ML: LangChain, LangGraph, OpenAI API, GPT-4, Pinecone Vector Database, RAG Systems, TensorFlow.js
Cloud & DevOps: AWS (S3, Lambda, SageMaker, EC2, ECS, Amplify), Docker, Terraform, CircleCI, GitHub Actions
State Management & Testing: React Query, Zustand, Redux, Vite, Jest, Vitest, Cypress
Languages: Python, Rust

PROFESSIONAL EXPERIENCE

Forward Deployed Engineer November 2025 – Present
Heizen *Delhi, India (Remote)*

- Engineered production-ready workflow automation systems for enterprise clients (Unicommerce, Edoofa), reducing integration lifecycles from 4 months to 2 months (50%) by implementing reusable modular architecture.
- Built an interview analytics and candidate tracking dashboard for client hiring pipelines, replacing manual tracking processes with real-time performance visibility across candidate cohorts.
- Contributed to Heizen's internal MVP Studio platform by improving developer tooling and developer experience (DX) workflows, resulting in a 20% increase in engineering productivity across the team.

Full Stack Software Developer February 2023 – November 2025
MAGES Studio – Singapore-based gaming and edtech studio *Remote, India*

- Led end-to-end architecture and delivery for the core edtech platform, establishing bi-weekly production deployment cycles and instituting code review standards that maintained 99.9% uptime.
- Designed and implemented custom machine learning models on AWS SageMaker, creating reusable JavaScript SDKs that reduced client integration time by 50%.
- Architected CI/CD pipelines using CircleCI, GitHub Actions, and Terraform on AWS infrastructure, reducing deployment time by 40% and eliminating manual deployment errors.
- Integrated OpenAI GPT-4 API for chat functionality, content moderation, and automated profile summarization, increasing user session duration by 25% and retention by 15%.
- Built real-time analytics dashboards in React.js and TypeScript with WebSocket-driven Chart.js visualizations, enabling live monitoring of user engagement events with sub-200ms data refresh latency.

TECHNICAL PROJECTS

Dump Protocol – Secure File Deletion System | *TypeScript, Next.js, Rust, WebAssembly* September 2025

- Architected a zero-trust file deletion platform using Next.js and Rust-based WebAssembly modules, ensuring 100% client-side cryptographic security with no server-side data exposure.
- Implemented zero-knowledge proof generation system for privacy-preserving verification without exposing sensitive data.
- Integrated Pyth Network blockchain oracle for verifiable randomness in deletion algorithm selection.
- Developed responsive frontend with wallet authentication, interactive UI, and real-time cryptographic proof visualization.

AI-Powered Dashboard Analytics Platform | *Next.js, LangChain, LangGraph, PostgreSQL, TypeScript* May 2025

- Built a multi-step AI agent using LangChain.js and LangGraph that translates natural language queries into optimized PostgreSQL SQL, enabling non-technical users to explore complex datasets without writing code.
- Designed REST API integration layer connecting frontend React components with backend analytics services, supporting 10K+ daily active user events.
- Implemented "Analyze with AI" feature enabling users to ask questions about chart data using GPT-4, improving data accessibility for non-technical stakeholders.

Summarize – AI Document Chat Application | *Next.js, LangChain, OpenAI, Pinecone, Firebase* July 2024

- Created full stack AI application using Next.js, React.js, and Node.js for PDF document analysis and conversational Q&A.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline using LangChain, OpenAI text-embedding-ada-002, and Pinecone, achieving sub-second semantic search across PDF documents of up to 500 pages.
- Built secure authentication and file storage system using Firebase with real-time synchronization capabilities.

EDUCATION

The Northcap University
Bachelor of Technology in Computer Science – Full Stack Specialization | CGPA: 8.0/10

Gurugram, Haryana, India
June 2019 – June 2023