

ARYAN VINAY PANDEY

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PROFESSIONAL SUMMARY

Computer Engineering student (2023–27) with 8+ production-ready projects. **Hack4Delhi 2026 Finalist** (Top 200/4800+). Specialising in React.js, Next.js, Spring Boot and FastAPI. Building AI-powered systems with LangChain, FAISS and HuggingFace. Seeking a Software Engineering Internship.

EDUCATION

B.Tech – Computer Engineering | Mahatma Gandhi Mission College of Engineering, Navi Mumbai 2023 – 2027

HSC – R.K.T College | SSC – St. Mary's High School 2023 | 2021

EXPERIENCE

Web Development Intern | NullClass — Virtual Oct 2025 – Nov 2025

- Engineered 5+ full-stack features; reduced page load time 30% via optimised React rendering.
- Implemented JWT-based auth with role-based access control, securing 100% of API endpoints.
- Built responsive TailwindCSS components achieving 95%+ mobile compatibility across devices.

KEY PROJECTS

CareBridge AI — AI Insurance Justice Platform Founder & Lead Dev | Jan 2026 – Present

github.com/AVP2011/CareBridge_AI | Stack: FastAPI · Next.js 14 · PyTorch · FAISS · LangChain · HuggingFace · Docker

- Architecting MedGemma 4B-IT + RAG system targeting 90% clause extraction & 94% regulatory citation accuracy across IRDAI regulations.
- Engineering hybrid regex + LLM pipeline to eliminate hallucinations in critical insurance compliance validation.
- FAISS vector DB with 823 embedded IRDAI regulation chunks; sub-second semantic search across 800+ pages of legal docs.
- Bilingual voice interface (Hindi + English) targeting 85% task completion for low-literacy users — 340% improvement over text portals.

VayuVastra — CivicTech Pollution Intelligence Platform Hack4Delhi 2026 Finalist

github.com/GRINDWUS/VayuVastra | Stack: FastAPI · Next.js · PostgreSQL · PostGIS · Leaflet.js · TailwindCSS

- Top 200/4800+ — ward-level pollution monitoring for 272 Delhi administrative zones.
- FastAPI + PostGIS API processing 5,000+ geospatial data points with 95% query efficiency.

ScholarSync — Trust-Aware Opportunity Analyzer LavaPunk Hackathon

github.com/AVP2011/scholarsync | Stack: Next.js · FastAPI · Custom Trust Scoring · TailwindCSS

- Trust scoring engine analysing 10+ risk parameters (domain age, SSL, spam) to flag fraudulent scholarship/internship opportunities.

Shree Insulations — Enterprise Web Application Ongoing

Stack: Next.js · Spring Boot · JWT · PostgreSQL · Flyway · TailwindCSS

- Enterprise-grade app with Spring Boot backend, JWT authentication and Flyway database migration.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, HTML5, CSS3

Frontend: React.js, Next.js 14, TailwindCSS, SPA Architecture

Backend: Spring Boot, Node.js, FastAPI, Flask, RESTful APIs

AI / ML: PyTorch, HuggingFace Transformers, LangChain, FAISS, RAG, sentence-transformers

Databases & Cloud: PostgreSQL, MongoDB, Supabase, Firebase, PostGIS, Docker

Tools: Git, GitHub, JWT Authentication, Flyway, OpenCV

CERTIFICATIONS & ACHIEVEMENTS

- Hack4Delhi 2026 Finalist** — Top 200/4800+ at NSUT Delhi
- Smart India Hackathon 2025** — Participant
- Adobe India Hackathon 2025** — Participant
- AWS APAC Solutions Architecture Virtual Experience** — Forage
- Tata Group Data Analytics Simulation** — Forage
- Deloitte Australia Technology Simulation** — Forage
- Java Programming (Beginner to Advanced)** — GeeksforGeeks (Ongoing)