

Software Development Engineer with strong skills in **DBMS**, **Machine Learning**, **Multi-cloud technologies**, and **Scalable System Design**. Experienced in building AI-powered applications such as **RAG** and **Agentic AI**. Skilled in **problem-solving**, **leadership**, **collaborative development**, and designing **secure**, **data-driven**, and **customer-centric** technology solutions.

## Skills

- **Languages:** C++, Java, Python, JavaScript, TypeScript, SQL
- **Frameworks & Libraries:** Angular, React, Next.js, Node.js, Express.js, Scikit Learn, Pandas
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, Jenkins, Terraform, ArgoCD, MLFlow, AIRFlow
- **Databases & Tools:** MySQL, MongoDB, GitHub, Git Bash, Postman
- **Coursework Completed:** Data Structures and Algorithms, DBMS, Computer Networks, Object Oriented Programming, Machine Learning, Full-stack Development, Operating System, DevOps, ML Operations, Deep Learning
- **Languages Spoken:** English, Hindi, Marathi

## Technical Experience

### Diploma Trainee Engineer

Globeminds Technologies Pvt. Ltd. — *Certificate*

May 2024 — June 2024

Pune, India

- Developed a medical management desktop application serving 500+ daily transactions, reducing manual inventory errors by 95% and cutting billing time from 3 minutes to 30 seconds.
- Implemented prescription auto-validation logic that flagged 150+ potential drug interactions during the internship period, enhancing patient safety.

### Front-End Developer Intern

Bits and Volts Pvt. Ltd. — *Certificate*

June 2025 — Aug 2025

Remote — Pune, India

- Developed 15+ responsive UI components across 3 web applications, achieving 99% cross-browser compatibility and 90+ Lighthouse performance scores.
- Integrated 20+ RESTful APIs, reducing data fetch latency by 40% through optimized state management and caching strategies.
- Reduced initial page load time from 3.2s to 1.1s (66% improvement) by implementing code splitting, lazy loading, and image optimization.

## Projects

### SamayVidya – Academic Timetable Scheduler

College Project – *GitHub*

May 2026

Tools: Next.js, Supabase, FastAPI, Langchain, LangGraph, AWS Bedrock

- Built a 6-agent AI orchestration system that generated conflict-free university timetables in under 60 seconds, achieving 100% constraint satisfaction across 200+ sessions, 9 divisions, and 20 faculty members.
- Engineered a deterministic scheduling engine with 8+ hard constraints and integrated AWS Bedrock Nova Pro for intelligent scheduling decisions; selected for official adoption by the CSE-AI Department at VIT, Pune

### EMR 2.0 – Smart EMR and Diagnostic Assistant

Hackathon Winning Project – *GitHub*

Feb 2026

Tools: FastAPI, Next.js, Llama 3.3, Convex, Clerk, LangGraph, CrewAI

- Orchestrated a 7+ agent AI pipeline using LangGraph and CrewAI to automate medical transcription, SOAP note generation, ICD-10 mapping, summarization, and prescription analysis with end-to-end processing in under 15 seconds.
- Built a voice-first EMR platform capable of processing 30+ minute doctor-patient conversations and generating multilingual clinical summaries with WHO ICD-10 mappings, reducing manual documentation effort by nearly 70%.

### DevForge – AI-Powered CI/CD Pipeline Generator

CLI Tool – *GitHub*

2025

Tools: TypeScript, LangGraph, Amazon Bedrock, Github Actions, Terraform, Docker

- Built a production-ready CLI tool published to npm (v1.3.0) that auto-detects frameworks across 6+ stacks and generates CI/CD workflows for GitHub Actions and Jenkins with a single command.
- Engineered a multi-LLM agentic pipeline (Amazon Nova Pro, GPT-4, Gemini, Claude) with NIST SP 800-53 + ISO 27001 compliance scanning, IaC generation for 4 AWS deployment targets, and cross-session memory via Amazon Elasticsearch.

### PIE – Pre-Delinquency Intervention Engine

ML Project – *GitHub*

April 2026

Tools: XGBoost, LightGBM, Pandas, React, FastAPI, Redis, SQLite

- Developed a real-time ML risk intelligence platform processing 10K+ transaction events with sub-second delinquency scoring using a dual-model XGBoost + LightGBM ensemble trained on 25+ behavioral risk features.
- Architected a scalable FastAPI + Redis + React pipeline with automated drift monitoring (PSI, KS-Test, Jensen-Shannon divergence), reducing manual validation effort by 60% across 6+ integrated system components.

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# Apurv Dhananjay Saktepar

Software Engineer

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## Education

### B.Tech in Computer Science and Engineering (Artificial Intelligence)

*Vishwakarma Institute of Technology, Pune*

**CGPA: 9.52 / 10.0**

2025 — Present

### Diploma in Computer Engineering

*Government Polytechnic, Pune*

**93.27%**

2022 — 2025

## Achievements

- Cavista Technologies Hackathon - 2nd Runner-Up (Team Lead) awarded 30,000 out of 200+ participants. *21–22 Feb 2026*
- Led the winning team in the Agentic AI Track at Code Apex 2.0 Hackathon, VIT Pune. *Mar 2026*
- Won Internal Smart India Hackathon (SIH), VIT Pune, as Team Lead *Nov 2025*
- Secured Runner-Up among 800+ participants at IMPETUS Project Expo, PICT Pune, winning 5,000. *21–22 Mar 2025*
- Achieved Runner-Up position at Project Competition, Ajeenkya DY Patil School of Engineering *Feb 2025*

## Certifications

- Coursera Course Certificates — [Coursera Profile](#)
- GCP Cloud Boost Badges — [Credly Profile](#)