

PROFESSIONAL SUMMARY

AI/ML undergraduate (CGPA 9.94) with hands-on experience building backend and full-stack systems in Java/Spring Boot, Python/FastAPI, and React. Worked on distributed systems, API security, and cloud-native deployment through internships and independent projects. Seeking a full-stack/backend Software Engineer role.

EDUCATION

BNM Institute of Technology, Bengaluru — B.E. in Artificial Intelligence & Machine Learning 2023 – 2027
CGPA: **9.94 / 10** (Semesters I–VI) | Best Student Award — all six semesters
Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning, Deep Learning, Computer Vision

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, C
Backend Frameworks: Spring Boot, FastAPI, Flask, React, gRPC, REST APIs, WebSockets, Redis
Databases: MySQL, MongoDB, SQLite, Neo4j (Knowledge Graphs)
DevOps & Tooling: Docker, Kubernetes, Helm, CI/CD (GitHub Actions), AWS (EC2), Linux, Prometheus, Postman, Git
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
AI & ML: PyTorch, TensorFlow, JAX, ONNX Runtime, scikit-learn, Pandas

EXPERIENCE

- Project Intern — Salesforce Ventures** May 2026 – Present, Remote
- Built ComplyLens, a Salesforce-native DPDP (India's Digital Personal Data Protection Act) compliance copilot: 7-object custom data model, deterministic Apex rule-evaluation engine, and an Agentforce explanation layer (explainer-only, never decision-maker) — Compass Program Cohort 2.0.
 - Configured 5 DPDP rules as data-driven Salesforce records (not hardcoded) for admin-side updates without code changes; validated with 6 scenario-based demo personas across distinct failure modes.
- Software Engineer Intern — Matrix Maven** Feb 2026 – May 2026, Remote
- Built SENTINEL, a DevSecOps platform consolidating 4 parallel security scanners (SAST, container, dependency, secrets) into one policy-based evaluation pipeline and dashboard — eliminating manual cross-tool triage. Stack: Spring Boot, FastAPI, Flask, Docker Compose, Semgrep, Trivy, OSV.
 - Integrated GitHub App webhooks to trigger automated security gating on every push and pull request, enforcing policy checks directly in CI/CD.

PROJECTS

- NEXUS — Distributed ML Inference Orchestration Platform**
Java, Spring Boot, gRPC, Redis, MySQL, Docker, Helm, Kubernetes, Python (ONNX Runtime) | GitHub
- Architected a distributed inference orchestration system with JWT-secured REST APIs, token-bucket rate limiting, and consistent-hash request routing across worker nodes.
 - Built a Python ONNX Runtime worker pool with dynamic batching and heartbeat-based health tracking; instrumented end-to-end with Prometheus metrics and shipped via GitHub Actions with Helm-based Kubernetes deployment.
- UBID Mesh — Unified Business Identity Platform**
FastAPI, React, Neo4j, D3.js | GitHub | Live Demo
- Unified fragmented business records across 3+ government departments into one identity layer via a weighted 4-signal entity-resolution pipeline (PAN, GSTIN, name, address/phone).
 - Added signal-level confidence scoring per match, with reviewer workflows, audit logging, and graph-based entity visualization.
- Sahayak AI — Just-in-Time Coaching Engine for Rural Teachers**
Offline-first architecture, multilingual NLP, cache-first design | GitHub
- Designed an offline-first, cache-first backend serving classroom guidance instantly for common scenarios, routing only novel queries to live AI inference to control cost and latency.
 - Built a trust-scoring system to validate and rank crowdsourced teaching solutions, with multilingual voice/text input and role-based dashboards for Cluster Resource Persons and DIET faculty.
- Open Source — LangChain (Tool Authorization)**
Python
- Contributed a tool-authorization feature to LangChain (merged to main), adding access-control checks before agent tool execution.

PUBLICATIONS & CERTIFICATIONS

Research Publications	Certifications
- Cradle: A Decentralized Finance Application — IEEE, 2025 - Privacy-Preserving Multimodal Smart Mirror with Edge AI, Blockchain Security & Quantum-Inspired Optimization — IEEE, 2026 - Hybrid Adaptive Chaotic Opposition-Based PSO for Optimal Ship Routing — Springer Nature, ICT4SD, Goa, 2026 - On Spectral Energy in Graph Networks — IEEE, 3rd ICETEMS, Pune, 2026	- CompTIA Security+ — Udemy - DevOps Professional Certificate — PagerDuty - Microsoft Azure Essentials Professional Certificate - Ubuntu Linux Professional Certificate — Canonical

ACHIEVEMENTS & LEADERSHIP

- 3× National Hackathon Winner — 8 Top-10 finishes across AI, ML, and Software Engineering competitions
- 2× Patents Filed (Indian Patent Office)
- Bronze Honour, ICSC 2025 — Top 5% of 4,000+ globally; Runner-up, VTU Technical Fest (110+ colleges); selected for Amazon ML Summer School
- Chair, IEEE CIS (BNMIT) — 20+ workshops, 40% membership growth; Secretary, TechIT Coding Club — 15+ hackathons/year, 500+ students