

KIRAN NANDI

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SUMMARY

Backend-focused Computer Engineering student (CGPA: 9.05, Top-5 Ranker) and Smart India Hackathon 2024 Winner. Skilled in Java, Spring Boot, and microservices for scalable architectures. Strong problem-solving ability (CodeChef 3-Star, LeetCode Top 35%) with hands-on experience in modern DevSecOps pipelines, AWS cloud infrastructure (Terraform), and building intelligent AI applications (LLMs, RAG).

EDUCATION

MIT Academy of Engineering, Pune 2023 – 2027
B.Tech. in Computer Engineering — CGPA: 9.05 / 10 (Top-5 Ranker) Pune, Maharashtra, India

TECHNICAL SKILLS

Languages: Java (Advanced), Python, C++, SQL, Bash

Frameworks & Libraries: Spring Boot, Spring Security, FastAPI, LangChain, REST APIs

AI & Data: Retrieval-Augmented Generation (RAG), Vector Databases, LLMs, OpenAI API

Cloud & DevOps: AWS (EC2, S3, Lambda, IAM), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions

Databases: MySQL, PostgreSQL, MongoDB, Schema Design, Query Optimization, Redis

COMPETITIVE PROGRAMMING

CodeChef: 3-Star rated (while_flies_62) **Codeforces:** Rating 1133 (Pupil) **LeetCode:** Top 35.63% globally

EXPERIENCE

Java Full Stack Developer Intern Jun 2025 – Aug 2025
Campus Credentials Pune, India

- Engineered an **AI-powered booking platform** (Spring Boot), reducing end-to-end booking time by **90%**.
- Built an **LLM-based AI-to-SQL engine** for a chatbot, translating natural queries to MySQL with **95% accuracy**.
- Secured **57 REST APIs** via Spring Security (JWT, RBAC), achieving zero known authentication vulnerabilities.
- Established **CI/CD pipelines** (Jenkins, GitHub Actions) to deploy event-driven microservices efficiently.

Cloud Developer Industrial Training Jan 2026 – Mar 2026
Internship Remote

- Built a **serverless data pipeline** (AWS Lambda, S3, SNS) for automated text-processing and real-time alerts.
- Provisioned **EC2 IaaS** using **Terraform (IaC)**; hardened security groups to minimize the attack surface.
- Enforced **least-privilege IAM policies** for cloud resources, ensuring zero standing-privilege access.
- Integrated **CloudWatch telemetry**, significantly cutting mean debug time for production incidents.

PROJECTS

Healthcare ERP - Digital Transformation | *Java, Spring Boot, MySQL, JWT* Feb 2026 – Apr 2026

- Developed a **Spring Boot microservices** ERP, reducing hospital administrative manual overhead by **80%**.
- Implemented stateless **JWT session management & RBAC** for 6 user roles, preventing unauthorized access.

Playgorithm – Gamified Algorithm Learning | *Java, Spring Boot, DSA* Dec 2025 – Jan 2026

- Developed **66 REST APIs** for real-time state management, supporting concurrent multi-user sessions.
- Modeled challenge progression using **DAG traversal** to enforce prerequisite ordering for 100+ problems.

ACE - AI-Powered Admission Assistant (SIH 2024 Winner) | *Python, LangChain, RAG, Kubernetes* Dec 2024

- Architected a **RAG pipeline** (LangChain, Vector DBs) processing 200+ college datasets for an LLM query engine.
- Optimized data ingestion and vector similarity search workflows, cutting backend response latency by **40%**.
- Containerized backend microservices and orchestrated deployments using **Kubernetes** for high availability.

ACHIEVEMENTS & AWARDS

Smart India Hackathon 2024 Winner — National-level Government competition; 1 of 50,000+ teams.
Best Paper Award (Avinya 2025) — Published research on Physics-Informed LSTM for temperature prediction.
Datathon 2025 Winner — Secured 1st place in a data-driven problem-solving competition.
GATE 2026 Qualified — Demonstrates strong theoretical Computer Science foundations.

CERTIFICATIONS & LEADERSHIP

Technical Lead, CodeChef Campus Club: Mentored 50+ members in CP (DSA) and software best practices.
AWS re/Start Graduate: Selected for advanced cloud technical training (top 30 institute-wide).
Anthropic Claude AI Certifications | Introduction to LLMs (NPTEL Certification)