

Ayushman Math

📍 Pune, India | ✉ ayushmath07@gmail.com | 📞 +91 7020951733 | 🌐 GitHub | 🌐 LinkedIn | 🌐 Portfolio | 🚀 LeetCode: 110+ solved

SUMMARY

Full Stack Developer with internship experience building backend systems using Spring Boot and FastAPI. Actively building projects in AI/ML and backend architecture. Proficient in Python, Java, and JavaScript with strong fundamentals in web development, databases, and system design. Known for strong problem-solving skills and the ability to pick up and apply new technologies quickly.

EDUCATION

Bharati Vidyapeeth College of Engineering, Pune

July 2027 (Expected)

B.Tech in Computer Science & Engineering

GPA: 9.47 / 10.0

Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, Linear Algebra, Web Development

TECHNICAL SKILLS

Languages:	Python, Java, C++, C, JavaScript, HTML, CSS, SQL
Front End:	React.js, HTML5, CSS3, JavaScript (ES6+), Responsive Web Design, REST API Integration
Back End:	Spring Boot, FastAPI, REST APIs, JWT Authentication, PostgreSQL, MySQL, Redis
AI / ML & Data:	LangChain, HuggingFace Transformers, FAISS (Vector DB), NumPy, Pandas
Tools & DevOps:	Docker, AWS (EC2, S3, RDS), GitHub Actions, Git, Linux
Concepts:	Full Stack Development, Back End Engineering, System Design, CI/CD, Concurrency, OOP Design Patterns, Agile / SDLC

EXPERIENCE

Full Stack Developer Intern | Landmine Soft

Jan 2026 – Feb 2026

Spring Boot | PostgreSQL | JWT | REST APIs | RBAC | HTML | CSS | 🌐 [Live API Docs](#)

- Built a **College Management Portal** (full stack) with 3 RBAC-enforced user roles, 11+ PostgreSQL entities, and 25+ secured REST endpoints with JWT auth and BCrypt password hashing, deployed on Render in 6 weeks.
- Designed a **layered Spring Boot architecture** with centralized exception handling, DTO validation, secure password-reset flow, and full OpenAPI / Swagger documentation.

TECHNICAL PROJECTS

Semantic Document Retrieval API

Apr 2026 – May 2026

Python | FastAPI | LangChain | FAISS | HuggingFace | Docker | 🌐 [\[GitHub\]](#)

- Building an **AI-powered document Q&A system** using LangChain and FAISS vector search; pipeline handles PDF text extraction, chunking, embedding generation, and semantic retrieval.
- Serving via async **FastAPI endpoints** for uploading documents and querying responses; containerized with Docker for easy local and cloud deployment.

Distributed Task Scheduling System

May 2025 – Jul 2025

Python | TCP Sockets | Multi-threading | 🌐 [\[GitHub\]](#)

- Architected a **multi-node task scheduler** over raw TCP sockets, distributing arithmetic workloads across local and remote nodes via round-robin multi-threaded worker pools.
- Implemented **heartbeat-based node monitoring** with automatic task re-queuing on disconnect for fault resilience.

Automated Job Search & Matching System

Oct 2025 – Dec 2025

Python | BeautifulSoup | NLP | TF-IDF | 🌐 [\[GitHub\]](#)

- Built a **scraping and matching pipeline** ingesting 100+ daily job listings from LinkedIn and TimesJobs with deduplication and TF-IDF resume-matching to surface the most relevant roles automatically.

AeroGlyph — Drone Swarm Formation Engine

Mar 2026

JavaScript | HTML | CSS | Linear Algebra | Animation | 🌐 [\[GitHub\]](#)

- Built a **browser-based visualizer** for generating and animating drone swarm formations using HTML, CSS, and JavaScript with matrix-based geometric transitions and smooth shape interpolation.

CERTIFICATIONS & ACHIEVEMENTS

- **NPTL — DSA using Java (73/100) & Programming in Java (73/100)** Jul – Oct 2024
- **National Children's Science Congress (NCSC):** Awarded nationally for research on "Headphone Overuse Awareness."
- **Competitive Programming:** 110+ problems on LeetCode (Arrays, Trees, Graphs, DP, Sliding Window).