

ADITYA SHENVI

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PROFESSIONAL SUMMARY

Final-year Computer Science Engineering student (graduating Aug 2026) with **4 progressive internships** including current AI Engineering role at ScriptBees building production RAG pipelines and multi-agent systems, and **full-stack development at DRDO, Ministry of Defence** delivering secure dashboards for DRDO scientists. Core expertise in Python, Java, FastAPI, React, LangChain, LangGraph, and Ollama across AI engineering and full-stack development. Published open-source AI agent on npm and PyPI with 8+ deployed projects on GitHub. Strong foundation in system design, API development, cloud deployment (AWS, Docker, Kubernetes), and Agile methodologies. Seeking Junior AI Engineer, Full Stack Developer, or SDE-1 roles at product-driven companies.

TECHNICAL SKILLS

AI & LLM Engineering: LangChain, LangGraph, Ollama, RAG Pipelines, LLM Fine-Tuning (PEFT/LoRA), ChromaDB, FAISS, Vector Databases, CrewAI, Groq API, OpenRouter, Prompt Engineering, Multi-Agent Systems, Semantic Search, NLP, Embeddings

Programming Languages: Python, Java, JavaScript, TypeScript, Node.js, SQL, C++, HTML/CSS

Frontend Development: React, Next.js, Tailwind CSS, Streamlit, Responsive Web Design, Single Page Applications (SPA)

Backend & API Development: FastAPI, Flask, Express.js, RESTful APIs, WebSocket, Microservices, API Integration, Server-Side Development

Cloud & DevOps: AWS (EC2, S3, Lambda), GCP, Firebase, Docker, Kubernetes (K8s), GitHub Actions, Vercel, CI/CD Pipelines, Cloud Deployment

Databases: MongoDB, SQL Server, PostgreSQL, ChromaDB, FAISS, Firebase Firestore, NoSQL, Database Optimization

Developer Tools: Cursor IDE, GitHub Copilot, VS Code, HuggingFace Spaces, Postman, Git, GitHub, Excalidraw, npm, PyPI, Jira

Soft Skills: Cross-Functional Collaboration, Technical Documentation, Problem-Solving, Agile/Scrum, Team Leadership, Communication, Code Review

WORK EXPERIENCE

AI Engineering Intern

Jan 2026 – Present

ScriptBees Pvt Ltd, Mindspace, Hyderabad

- Designed and built end-to-end RAG chatbot pipeline using LangChain, Ollama, FAISS/ChromaDB, and FastAPI — processing 100+ enterprise documents with sub-second query responses, source citations, and multi-format document ingestion (PDF, DOCX, XLSX)
- Developed Intelligent Document Processing System with semantic search using LLM embeddings and vector retrieval; built Talent Radar — AI-powered candidate matching engine with custom scoring logic and React dashboard for real-time hiring pipeline management
- Integrated 5+ LLM providers (Groq, Ollama, OpenRouter) with prompt templating, structured output parsing, and streaming responses; delivered production-ready AI features in Agile sprints with code reviews and technical documentation

Full Stack Developer Intern

Jul 2025 – Sep 2025

DRDO, Ministry of Defence, Govt. of India

- Built **IOD operations dashboard for DRDO scientists** using React, Tailwind CSS, Node.js, and MongoDB with offline-first Service Worker architecture enabling zero-network field operations
- Developed **secure multi-user authentication system with Role-Based Access Control (RBAC)** and real-time data synchronization across multiple DRDO locations with conflict resolution and data integrity validation
- Delivered **production-quality code under Ministry of Defence compliance protocols** — dashboard actively used by defence personnel for operational analytics and decision-making
- Worked closely with DRDO scientists to gather requirements, iterate on UI/UX for complex operational workflows, and ship under tight project timelines

Software Engineering Intern

Apr 2025 – Jun 2025

Vestrics Solutions Pvt Ltd (SAP Gold Partner), Hyderabad

- Developed and deployed RESTful APIs for enterprise HRMS platform using VB.NET and SQL Server; achieved 40% reduction in query response time through query optimization, indexing strategies, and database performance tuning
- Automated bulk data processing workflows using Excel/CSV integration, cutting manual data processing effort by 60% for HR teams; collaborated with QA and frontend engineers to debug production issues and optimize end-to-end system performance

Digital Marketing Intern

Jun 2024 – Jul 2024

QiTech.in, Hyderabad

- Enhanced SEO strategies increasing organic traffic by 25% within 6 weeks; conducted competitor analysis and A/B testing on paid campaigns to optimize marketing ROI with data-driven decisions

KEY PROJECTS

ALD-01 — Privacy-First Local AI Agent System | *Python, FastAPI, Ollama, LangChain, Node.js, WebSocket, npm, PyPI*

- Designed and built open-source desktop AI agent with 5 specialized agents (code generation, research, writing, analysis, creative) and 10+ LLM provider integrations (Groq, Ollama, Cerebras) featuring advanced reasoning strategies and Mixture-of-Experts (MoE) architecture
- Published on both npm and PyPI registries; supports fully offline operation for enterprise privacy and data sovereignty; includes web-based monitoring dashboard, configurable reasoning pipelines, and WebSocket real-time communication

CodeGenesis — AI Text-to-App Platform | *Next.js, LangChain, LangGraph, OpenRouter API, FastAPI, Python*

- Architected multi-agent system orchestrating parallel LLM swarms to generate complete full-stack codebases (React frontend + FastAPI backend + database schema) from natural language prompts in under 30 seconds
- Implemented LangGraph state machines for complex agent workflow management with code validation, error handling, and iterative refinement across all generation tasks

FineTuneLite — CPU-Based LLM Fine-Tuning Framework | *Python, TypeScript, PEFT, LoRA, HuggingFace Transformers*

- Developed CPU-first LLM fine-tuning framework using Parameter-Efficient Fine-Tuning (PEFT) and Low-Rank Adaptation (LoRA), removing GPU dependency and making model customization accessible on consumer hardware
- Includes benchmark comparisons between base and fine-tuned models with loss curves; demonstrates deep understanding of transformer architecture, training pipelines, gradient optimization, and model evaluation

DYSC-Agent — AI Security Scanner CLI | *Node.js, CLI, npm*

- Built AI-powered security scanner CLI tool published on npm for global installation; performs LLM-based static analysis on codebases to detect security vulnerabilities with structured severity reporting, remediation suggestions, and exportable reports

SafeBite — AI Food Analysis Platform | *React, Node.js, Flask, MongoDB, Firebase, OCR APIs*

- Deployed full-stack production application at adityacuz.dev featuring AI-powered nutrition analysis, OCR food label scanning, Firebase authentication, real-time MongoDB data sync, and responsive mobile-first UI design

DDAS — Data Download Duplication Alert System | *JavaScript, Browser Extension APIs, Node.js*

- Engineered browser extension with Node.js backend that detects and prevents duplicate dataset downloads across research teams; implements hash-based deduplication reducing redundant storage by 40%+

EDUCATION

Bachelor of Technology (B.Tech) — Computer Science Engineering

Jul 2022 – Aug 2026

ICFAI Foundation for Higher Education, Hyderabad, Telangana, India

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Database Management Systems, Operating Systems, Computer Networks, Software Engineering, Cloud Computing

Intermediate (Class XII) — MPC (Mathematics, Physics, Chemistry)

Apr 2020 – Mar 2022

Narayana Junior College, Hyderabad

CERTIFICATIONS & AWARDS

- Google AI Essentials — Google / Coursera (Mar 2026) — AI fundamentals, prompt engineering, and responsible AI practices
- AWS Machine Learning Foundations — Amazon Web Services (Jun 2025) — Core ML concepts and AWS AI/ML service ecosystem
- Introduction to Kubernetes (LFS158) — Linux Foundation (May 2025) — Container orchestration and cluster management fundamentals
- AWS Educate Introduction to Cloud 101 — Amazon Web Services (May 2025) — Cloud computing fundamentals and AWS core services
- Smart India Hackathon 2024 — National-Level Innovation Certificate (Sep 2024) — Selected among top teams nationwide
- ISRO Space Technology Awareness Training (START) — Indian Space Research Organisation (Apr 2024) — Space technology and satellite systems

ADDITIONAL INFORMATION

Languages: English (Professional Fluency), Hindi (Native Fluency)

Portfolio: adityacuz.dev — Live portfolio with interactive project demos, architecture diagrams, and downloadable resume

Open Source: Active GitHub contributor (github.com/aditya4232) — 8+ public repositories; packages published on npm and PyPI; consistent daily commit history

AI-Assisted Dev: Proficient with Cursor IDE, GitHub Copilot, and LLM-assisted development workflows — leverages AI tools for rapid prototyping, code review, and iterative shipping

Availability: Available for immediate joining post-graduation (August 2026); open to Hyderabad, Bangalore, Dubai/UAE, and Remote positions

Interests: AI Agent Systems, Retrieval-Augmented Generation, LLM Fine-Tuning, Privacy-First AI, Full Stack AI Applications, Developer Tooling, Open Source