

Akshith Nallaginnela

Computer Science Undergraduate • Graduating 2026

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Profiles

- **github** <https://github.com/akshithnallaginnela>
- **LinkedIn** <https://linkedin.com/in/akshithnallaginnela>
- **Portfolio** <https://akshithnallaginnela.github.io>

Summary

Computer Science undergraduate (Graduating: 2026) with strong proficiency in Java and Python and solid foundations in Data Structures, Algorithms, and Object-Oriented Programming. Experienced in designing and developing backend and REST-based applications with a focus on scalable, low-latency, and reliable systems. Hands-on exposure to the complete SDLC through internships and real-world projects.

Experience

Viswam AI

Hyderabad, India

SOFTWARE ENGINEERING INTERN

Jun 2025 – Aug 2025

- Designed and integrated backend modules and REST APIs for AI-driven Indic language applications, including Telugu speech recognition systems.
- Worked on system-level components, API integration, and backend logic with emphasis on clean code, performance, and reliability.
- Participated actively in multiple phases of the SDLC including design, development, debugging, and basic testing.

Projects

Nyaya Mitra – AI-Powered Legal Assistance Platform

- Built a full-stack legal guidance platform for Indian college students using LangChain and Mistral 7B, featuring a Rights Query chatbot, Case Validity Checker, and Document Generator.
- Designed FastAPI + PostgreSQL backend with Chroma Vector DB semantic search, multilingual support, Emergency SOS, and Free Legal Aid Connector — targeting 10M+ students.
- Tech Stack: React.js/TypeScript, FastAPI, PostgreSQL, LangChain, Mistral 7B, Chroma Vector DB, Docker

SkillBridge AI – LinkedIn for Skilled Labor

- Built a marketplace connecting blue-collar professionals with customers, with Gemini AI for voice-based profile creation, photo verification, and gig refinement.
- Integrated Google Maps Platform for 1–25 km real-time discovery; used Node.js/Express, MongoDB, and Firebase for live gig sync and JWT-based role access.
- Tech Stack: React 19/TypeScript, Node.js, Express, MongoDB, Firebase, Gemini AI, Google Maps Platform, JWT

Education

Srilindu Institute of Engineering and Technology

Hyderabad, India

Bachelor of Technology • Computer Science Engineering

Sept 2022 – June 2026 • GPA: 8.2/10

Relevant Coursework: Data Structures & Algorithms, Software Engineering, DBMS, Computer Networks, ML, NLP, OS

Skills

- **Programming Languages:** Java, Python, C
- **Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees, HashMaps, Recursion, Time & Space Complexity
- **Backend Development:** RESTful APIs, Python FastAPI, Node.js, API Integration
- **Databases:** MySQL, PostgreSQL, MongoDB
- **AI/ML Tools:** Ollama, Mistral 7B, LangChain, Gemini AI (Vision + Grounding), Chroma Vector DB, Sentence Transformers
- **Web Technologies:** HTML, CSS, JavaScript, React.js, TypeScript
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Docker, Firebase
- **Core Concepts:** OOPs, SDLC, System Design (Basic), Problem Solving