

SREESHANTH PEDDI

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SUMMARY

Computer Science undergraduate with hands-on experience in full-stack development and machine learning. Built production-ready projects, AI-powered tools, and a government-funded computer vision system. Proficient in Python, AIML, Full Stack, and cloud technologies.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology

Nov 2022 – May 2026

Bachelor of Technology in Computer Science and Business Systems; CGPA: 8.05/10

Hyderabad, India

INTERNSHIPS

Interview Companion (ICMS) | Testing and Developer Intern

Nov 2024 – Feb 2026

- Developed and tested features for a web-based interview management system using JavaScript, React, and Python.
- Developing automated AI job application features with Python, focusing on clean code architecture and unit testing.

Koluvu Company | Software Engineering Intern

Mar 2024 – Jun 2024

- Contributed to AI-driven interview tools involving Python backend, database optimization, and React frontend.
- Enhanced data parsing logic, improving system reliability and reducing processing errors by 25%.

PROJECTS

Underwater Obstruction Detection (MSME Funded) 🔗 | [YOLOv11](#), [Stable Diffusion](#), [PyTorch](#) **Govt. Funded**

- Built a PyTorch-based object detection pipeline for marine safety using YOLOv11, achieving 94% accuracy on 15,000+ underwater images.
- Implemented image enhancement techniques to improve detection in low-visibility underwater conditions.
- Developed classification system to categorize marine obstructions; project received 15L MSME government funding.

Opstream — Open Source Intelligence Platform 🔗 | [Python](#), [FastAPI](#), [Qdrant](#), [React](#)

[Code](#)

- Built a full-stack platform using FastAPI and React to help developers discover beginner-friendly GitHub issues.
- Integrated GitHub GraphQL API to index and search across repositories with real-time metadata updates.
- Implemented vector search using Qdrant for contextual code explanations and documentation retrieval.

NEXUS — Agentic GraphRAG Platform 🔗 | [LangGraph](#), [Neo4j](#), [Groq](#), [Next.js](#), [Three.js](#)

[Code](#)

- Built a knowledge intelligence platform with LangGraph-powered agent for intelligent query routing and self-correcting RAG.
- Integrated Neo4j knowledge graph for relationship-aware retrieval with Groq LLM achieving sub-500ms inference.
- Developed immersive Three.js particle interface with real-time agent transparency showing reasoning steps.

SKILLS

Languages: Python, JavaScript, C,SQL

Frontend: React.js, Next.js, Tailwind CSS, Responsive Web Design

Backend: Node.js, FastAPI, Firebase, REST APIs, supabase

AI/ML: LLM's,PyTorch, TensorFlow, OpenCV, Computer Vision

Tools: Git, GitHub, Docker,Kubernetes, PostgreSQL, AWS

CERTIFICATIONS

- AWS Cloud Practitioner Certificate | Microsoft AI Product Manager Professional Certificate

ACHIEVEMENTS & EXTRACURRICULARS

- State Level Sports Certificate** — Represented at state-level competitions in athletics/sports.
- Modeling:** Mr. VNR 2024 (Winner) | Mr. SNIST 2024 (Winner) | Lulu Mall 2025 (Runner-up)
- TEDxVNRVJIET Event Organizer Head** — Led event planning and coordinated 20+ volunteers.
- NMMS Scholar** — Government scholarship for academic excellence.