

SREESANTH 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

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| 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

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| Interview Companion (ICMS) Testing and Developer Intern | Nov 2024 – Feb 2026 |
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- 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.

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| Koluvu Company Software Engineering Intern | Mar 2024 – Jun 2024 |
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- 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

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| Underwater Obstruction Detection (MSME Funded) | 🔗 | YOLOv11, Stable Diffusion, PyTorch | Govt. Funded |
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- 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.

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| Opstream — Open Source Intelligence Platform | 🔗 | Python, FastAPI, Qdrant, React | Code |
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- 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.

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| NEXUS — Agentic GraphRAG Platform | 🔗 | LangGraph, Neo4j, Groq, Next.js, Three.js | Code |
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- 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)
- TEDxVNDRVJET Event Organizer Head** — Led event planning and coordinated 20+ volunteers.
- NMMS Scholar** — Government scholarship for academic excellence.