



NANDIPATI VASISHTA VARDHAN REDDY

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EDUCATION

Degree	Institute	Year
B.Tech CSE (AI and ML)	Manipal Institute of Technology, Manipal	2023 to 2027
Class XII (TSBIE)	FIITJEE Junior College, Hyderabad	2021 to 2023

SUMMARY

CSE (AI and ML) undergraduate with hands-on experience across software engineering, ML systems, data analytics and security automation. Builds production-ready Python applications, reproducible data pipelines and secure developer tooling. Seeking roles in machine learning engineering, data analysis and applied AI.

EXPERIENCE

Digi edZe Soft Solutions <i>Software Engineering Intern</i>	Hyderabad, India May 2026 to July 2026
- Worked on Chat4ED, an agentic conversational BI platform built on a five-agent anti-hallucination pipeline with sovereign on-premise deployment. - Built the end-to-end outbound infrastructure and GTM content library, driving a 300+ prospect pipeline across verticals toward paid enterprise PoC agreements.	
Mangomelon AI LLC <i>Data Analyst</i>	Remote Jan 2026 to Present
- Designed AI-driven analytical workflows automating data cleaning, feature extraction, statistical evaluation and pattern discovery. - Built reproducible pipelines for ingesting, validating, transforming and visualizing large structured healthcare datasets.	
Velosta Technologies LLP <i>Founding Member, Product</i>	Hyderabad, India Oct 2025 to Present
Co-founded Velosta Vendor, a B2B SaaS platform for bike and car rental operators covering Aadhaar and DigiLocker KYC, WhatsApp automation, GST billing and multi-branch management.	
Algonomy <i>Summer Intern</i>	Bangalore, India May 2025 to July 2025
- Implemented optimized logic for the Production Suffix module, improving deployment-pipeline assembly. - Built dataset ingestion utilities, CustomTkinter GUI components and Python REST interfaces for internal engineering workflows.	

TECHNICAL SKILLS

- Programming:** Python, Java, C, JavaScript, SQL, HTML/CSS
- AI and ML:** PyTorch, TensorFlow, Keras, scikit-learn, OpenCV, Pandas, NumPy
- Backend and Tools:** Docker, Linux, REST APIs, Git, Tableau
- GTM Tools:** Apollo.io, LinkedIn Sales Navigator, Instantly.ai
- Cybersecurity:** IDS/IPS, OWASP principles, SIEM tools

PROJECTS

leakscan <i>Python, Regex, GitHub API</i>	GitHub PyPI
- Published CLI tool (pip install leakscan) detecting leaked secrets and API keys in local codebases, public GitHub repos and git history, reaching 3250+ downloads. - Implemented 55+ regex detection patterns across severity tiers, Shannon entropy scoring and live verification across 10+ services, with SARIF output and pre-commit hook support.	
DataForge <i>Python, CustomTkinter, Ollama, REST APIs</i>	GitHub
- Built a synthetic data generation pipeline pairing automated Kaggle dataset discovery with a locally hosted LLM (Mistral via Ollama), exposed through a REST API and desktop GUI. - Designed secure API-key handling and structured dataset management for repeatable workflow automation.	
Vendor Due Diligence Automation <i>Python, SERP API, NLP</i>	GitHub
- Automated vendor screening using web search aggregation, NLP-based risk detection and PDF evidence archiving. - Generated compliance-ready reports suitable for enterprise procurement workflows.	

PUBLICATIONS

Enhanced A* Path Planning with Potential Fields <i>Terrain-Aware Robot Navigation</i>	IEEE
- Combined the A* algorithm with a potential field and depth-image input so robots can plan routes across rugged terrain. - Added slope and obstacle avoidance on top of shortest-path search, producing routes that are both safe and feasible.	

CERTIFICATIONS

- Google Cybersecurity Professional Certificate, 2024
- Google Advanced Data Analytics Certificate, 2026
- SEBI Investor Certification, 2025