


ATLA NAGA MANIDEEP REDDY

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SUMMARY

Aspiring software developer with strong skills in C++, Python, Web development and GenAI. Proven team leadership in national hackathons and hands-on experience with machine learning, web applications, and system monitoring tools. Eager to contribute to real-world tech innovations and grow in a dynamic development environment.

EDUCATION

Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh(2023-2027)	CGPA:8.89
Sri Chaitanya Junior College, Bapatla, Andhra Pradesh (2021-2023)	94%
Sri Chaitanya School, Krishna District, Andhra Pradesh (2020-2021)	Score:600/600

LEADERSHIP EXPERIENCE

Team Leader - Smart India Hackathon 2024

- Led a **5-member team** to design and implement a **Malware Attack Detection System for Social Media Platforms**.
- Built **web scraping pipelines** and ML-based classifiers to identify malicious behavior and harmful content patterns.
- Achieved **~90% detection accuracy**, reducing false positives by **30%** through feature optimization.
- Delivered a **functional prototype within strict hackathon timelines**, shortlisted at the institutional level.

PROJECTS

Credit Card Fraud Detection

- Developed a **machine learning classification system** to detect fraudulent credit card transactions from imbalanced datasets.
- Applied **SMOTE and feature scaling**, improving fraud-class recall by **35%**.
- Achieved **~98% accuracy** using **Random Forest and XGBoost** with cross-validation.
- Reduced false negatives by **25%**, increasing real-world fraud detection reliability.
- Tools:** Python, scikit-learn, pandas, matplotlib, Jupyter Notebook

E-Commerce Web Application (MERN Stack)

- Designed and developed a **full-stack e-commerce platform** with product listing, cart, authentication, and admin dashboard.
- Implemented **JWT-based authentication** and role-based access control.
- Built scalable **RESTful APIs** and integrated **MongoDB** for efficient data handling.
- Improved application performance by **~20%** through optimized API responses.
- Tools:** React.js, Node.js, Express.js, MongoDB, Tailwind CSS

TECHNICAL SKILLS

- Languages:** Java, C++, Python, JavaScript, SQL
- Frameworks & Tools:** React.js, Node.js, Express.js, Flask, Streamlit, MongoDB, Git, Postman
- ML & GenAI:** Machine Learning, Generative AI, Hugging Face, LangChain
- Concepts & Cloud:** Data Structures & Algorithms, Linux, REST APIs, Web Scraping, AWS Bedrock (Basics), Azure (Basics)