NAVYASRI PULIPATI

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING STUDENT

CONTACT

Phone:
+91-8904985309

Email Address:
pulipatinavyasri@gmail.com

Location:
Bangalore, Karnataka, India

Websites, Profiles, Portfolios:
www.linkedin.com/in/navyasri-pulipati-42a599284
https://navyasri-portfolio-website.vercel.app/
https://github.com/Navyasri12355
https://leetcode.com/u/Navyasri12355/

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

TECH SKILLS

- Languages: Python, R, C, SQL
- Machine Learning and AI: TensorFlow, PyTorch, Scikit-Learn, NumPy, Matplotlib, Pandas, CNNs, Sentence Transformers, SHAP
- Embedded Systems: Jetson nano, Raspberry Pi, ESP8266, Arduino Uno
- Containerization, MLOps and Cloud: Docker, Kubeflow, MLflow, Prefect, Apache Airflow, Evidently AI

ACHIEVEMENTS AND HACKATHONS

- Advanced to the semi-finals in the DSU TechFlix Hackathon

PROFILE

A motivated and detailed Artificial Intelligence and Machine Learning student passionate about machine learning and computer vision. Seeking opportunities to apply my knowledge in real-world applications and contribute towards the development of AI for the betterment of society.

EDUCATION

3rd Year (current), Bachelor of Engineering in Artificial Intelligence and Machine Learning

R.V. College of Engineering, Bangalore

CGPA: 9.31 / 10

PROJECTS

AI-Driven Equity Intelligence Platform

Developed an AI-powered market intelligence platform for Indian retail investors, combining real-time NSE/BSE data with multi-agent analysis for signal discovery, chart insights, portfolio x-ray, and streaming market chat.

AI Business Management Assistant

Developed an AI-powered business management platform for small enterprises with financial tracking, marketing insights, and a conversational assistant.

Federated Learning MLOps Platform

Developed a scalable decentralized machine learning system built with Python that enables collaborative model training across distributed clients while maintaining data privacy and providing robust MLOps orchestration.

Fingerprint Detector and Blocker

Developed a Chrome extension that detects and blocks browser fingerprinting attempts to protect users' privacy online.

Agentic Emergency Triage System

Developed an autonomous, agentic AI-based triage platform designed for resource-limited emergency settings in India which dynamically assesses patient severity, predicts resource demand (beds, oxygen, ventilators), and allocates care efficiently.

AI-Powered Voice Command for PCs

A powerful hands-free computer control system built with Python that enables users to operate their Windows OS through voice commands, featuring both internet-reliant and fully offline modes.

Ayurvedic-Allopathic Decision Support System

Developed an AI-powered system that connects allopathic medicine with Ayurvedic treatments, offering medicine mapping, disease-based recommendations, and safety analysis for informed integrative care.

WORK EXPERIENCE

- **Internship in Anthrasync Solutions Private Limited**

Time Period: 3 months
Field of work: AI Research and Development
Description: Developed core AI agents for the company's agentic AI platform, including a Translation Agent, Summarizer Agent, and Internet Resource Finder Agent - driving improvements in multilingual communication, content summarization, and intelligent information retrieval.

- **Internship in Xtelify Limited (Airtel Digital)**

Time Period: 6 months
Field of work: AI Research and Development
Description: Developed an agentic AI system for autonomous telecom capacity management, using a multi-agent framework (predictive, optimization, anomaly-detection, and orchestrator agents) to enable real-time, adaptive, and predictive resource allocation.

- **Internship in Aeronautical Development Agency (ADA)**

Time Period: 4 weeks
Field of work: Edge AI Deployment and Testing
Description: Built a real-time testing framework with custom-built GStreamer plugins for Automatic Target Recognition (ATR) systems at ADA using NVIDIA DeepStream SDK.

RESEARCH PUBLICATIONS

- **Pulipati, N. M. (First Author), "Music-Based Cryptography: Text Encryption Using Audio Features," IEEE IC3IT 2025 - proposed an audio-feature-driven encryption framework using entropy optimization. DOI: 10.1109/IC3IT66137.2025.11341611**

COURSES AND CERTIFICATIONS

- **Certification in Data Science for Engineers by NPTEL with a grade of Elite + Gold - 90%**
  - Certificate
- **Certification in Machine Learning by DeepLearning.AI and Stanford University**
  - Certificate Credential
- **Certification in Advanced Learning Algorithms by DeepLearning.AI and Stanford University**
  - Certificate Credential
- **Certification in Supervised Machine Learning: Regression and Classification by DeepLearning.AI and Stanford University**
  - Certificate Credential
- **Certification by Google Cloud - Explore Generative AI with the Gemini API in Vertex AI**
  - Certificate Credential
- **Certification by Google Cloud - Integrate Vertex AI Search and Conversation into Voice and Chat Apps**
  - Certificate Credential
- **Certification by Google Cloud - Build deterministic Virtual Agent enhanced with data stores**
  - Certificate Credential