NAVYASRI PULIPATI

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING STUDENT

CONTACT

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Location:
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Websites, Profiles, Portfolios:
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https://leetcode.com/u/Navyasri12355/
https://github.com/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, NLP, DNNs, CNNs
- Embedded Systems: Jetson nano, Raspberry Pi, ESP8266, Arduino Uno
- Containerization, MLOps and Cloud: Docker, Kubeflow, MLflow, Prefect, Apache Airflow, Evidently AI

EXTRACURRICULAR ACTIVITIES

Developer at Frequency Club, RVCE
Junior Associate at DHI Club, RVCE
Member of Project Jatayu

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: 9.33 / 10

PROJECTS

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.

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

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.

Crop Demand Forecasting Model
Developed a machine learning-based crop demand prediction model to forecast market needs and optimize agricultural planning, incorporating factors like price and weather.

Energy Efficiency Prediction Model
Developed an ML model to predict building energy efficiency ratings using key features like energy consumption, renewable energy usage, and occupancy, and integrated a chatbot for user interaction.

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

AI-Powered Voice Command for PCs
Developed a voice-activated system for hands-free computer control, utilizing speech recognition and NLP to interpret and execute similar commands efficiently.

ACHIEVEMENTS AND HACKATHONS

- Advanced to the semi-finals in the DSU TechFlix Hackathon
- Participated in RVCE Gen AI Hackathon
- Participated in Smart India Hackathon

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: Currently developing 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.

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 - Text Prompt Engineering Techniques**
  - Certificate Credential
- **Certification by Google Cloud - Develop GenAI Apps with Gemini and Streamlit**
  - Certificate Credential
- **Certification by Google Cloud - Build deterministic Virtual Agent enhanced with data stores**
  - Certificate Credential