# Medisetty Shanmukha Nanda

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## Education

**Narasaraopet Engineering College, Narasaraopet**
B.Tech in Computer Science Engineering (AI and ML) CGPA: 7.6
2022 – 2026

**Vagdevi Junior College, Narasaraopet**
Intermediate (MPC) Percentage: 67%
2020 – 2022

**St. Joseph High School, Narasaraopet**
SSC Percentage: 80%
2019 – 2020

## Experience

**AI Intern — Yhills** Jul 2024 – Sep 2024

- Developed ML models including churn prediction, iris classification, and sentiment analysis.
- Utilized Scikit-learn, TensorFlow, and Pandas for preprocessing, training, and evaluation.
- Enhanced model accuracy through tuning, validation techniques, and metric analysis.

## Projects

- **AI Agent Email Writer (Python, Gmail API, Cohere)**
  Developed an AI-powered tool that interprets natural language instructions to compose and send emails.
  Integrated Cohere LLM for content generation and Gmail API for secure delivery.
  **GitHub:** Ai_Email_Agent_Automation
- **msnChoice – MCQ Predictor (JavaScript, HTML, CSS)**
  Built a web application that predicts MCQ answers using logic-based scoring in vanilla JavaScript.
  Features an intuitive and responsive interface for user interaction.
  **GitHub:** msnChoice
- **MSN Fake Store (MERN Stack)**
  Designed a complete e-commerce platform with user authentication, cart functionality, and order management.
  Implemented using React, Node.js, Express, and MongoDB.
  **Live:** msnfakestore.onrender.com
- **MSN Fake Store API (Express + MongoDB)**
  Created RESTful APIs for managing users, products, and orders. Secured with JWT authentication.
  Backend built using Express and MongoDB.
  **Live API:** msnfakestore API
- **Iris Flower Classification (Python)**
  Developed a classification model using Scikit-learn to identify iris flower species.
  Applied preprocessing, model training, and evaluation using accuracy and confusion matrix.
  **GitHub:** iris_flower
- **Customer Churn Prediction (Python)**
  Built a Random Forest model to predict customer churn in a subscription-based service.
  Used SMOTE to balance data and evaluated performance using standard metrics.
  **GitHub:** customer-churn-prediction
- **Portfolio Website (React)**
  Created a responsive portfolio to showcase technical skills and projects.
  Built with React and deployed on Render.
  **Live:** msnportfolio.onrender.com

## Technical Skills

**Languages:** Python, JavaScript
**Frameworks:** MERN Stack (MongoDB, Express, React, Node.js)
**Libraries/Tools:** Scikit-learn, TensorFlow, Pandas, NumPy, GitHub, VS Code

## Certifications

- NPTEL – The Joy of Computing Using Python
- Infosys Springboard – Basics of Python
- Alice Soft – Chatbot Quest and UI/UX
- Internship Completion – Yhills
- Runner-up – CodeChariot Hackathon by DataValley