

# Donapati Hemalatha

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## EDUCATION

<b>Bachelor of Technology - Artificial Intelligence and Machine Learning</b>	2022 – 2026
Vasireddy Venkatadri Institute of Technology	
8.76 CGPA	
<b>Intermediate</b>	2020 – 2022
Vijaya Jyothi Junior college	
93.7%	
<b>SSC</b>	2019 – 2020
Sri Viswa Santhi high school	
99%	

## SKILLS

Python, SQL, Data Structures & Algorithms, Machine Learning, Deep Learning, Computer Vision, AWS, HTML, CSS, GitHub, VS Code, Google Colab, OpenAI, Analytical Thinking, Problem-Solving, Curiosity

## WORK EXPERIENCE

<b>AI &amp; ML Virtual Internship Program – APSCHE (SmartInternz)</b>	05/2025 -
07/2025	

- Project:** Transfer Learning-Based Poultry Disease Classification Web App  
**Tech Stack:** Python, Flask, TensorFlow, Scikit-learn, HTML, CSS, JavaScript, REST API
- Built a Flask-based full-stack web app using transfer learning (ResNet50) for real-time poultry disease detection with 92% accuracy.
  - Optimized backend inference for low latency and implemented real-time logging and analytics.
  - Integrated confidence scoring and classification history for improved reliability and UX.

## PROJECTS

### Car Purchase Amount Prediction

- Tech Stack:** Python, Flask, Scikit-learn, Pandas, NumPy, AWS EC2, HTML, CSS
- Built an ML web app predicting customer car purchase amounts using Linear Regression on demographic and financial data. Deployed on AWS EC2 with a user-friendly interface for real-time predictions.

### AI-Powered Fake Account Detection

- Tech Stack:** HTML, CSS, Bootstrap, JavaScript, Python, Django, XGBoost, NLP
- Developed a hybrid ML model to detect fraudulent social media accounts in real time. Integrated explainable AI (SHAP) for detailed risk analysis and insights.

### Learning Buddy – AI-Powered Learning Platform

- Tech Stack:** Streamlit, Python, LangChain, Mistral-7B-Instruct, Firebase, SendGrid, Git, GitHub, Streamlit Cloud
- Created an AI-driven platform that generates personalized quizzes, flashcards, and gamified learning streaks. Implemented secure OTP login, email verification, and cloud deployment for smooth performance.

### Handwritten Digit Recognition

- Tech Stack:** Python, PyTorch, Flask, NumPy, Pandas, Scikit-learn, HTML, CSS, JavaScript, Matplotlib
- Built a CNN-powered web app for real-time digit recognition on an interactive canvas. Added responsive UI, input validation, and confidence visualization for better model interpretability.

## ACHIEVEMENTS

**Winners – Cyber Security Category**, International Hackathon (Data Vortex Sky Intellect, KL University, Oct 2025) Recognized for innovation in building AI-powered detection systems and technical excellence.

## CERTIFICATES

- NPTEL - Python Programming ↗
- HarvardX (EDX) - Intro to Data Science ↗
- Oracle – OCI AI Foundations Associate ↗
- AWS Certified – AI practitioner ↗
- Infosys - Oracle SQL ↗