

# Donapati Hemalatha

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## EDUCATION

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

## 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 – APSICHE (SmartInternz)</b> 07/2025	05/2025 -
<b>Project:</b> Transfer Learning-Based Poultry Disease Classification Web App <b>Tech Stack:</b> Python, Flask, TensorFlow, Scikit-learn, HTML, CSS, JavaScript, REST API <ul style="list-style-type: none"><li>Built a Flask-based full-stack web app using transfer learning (ResNet50) for real-time poultry disease detection with 92% accuracy.</li><li>Optimized backend inference for low latency and implemented real-time logging and analytics.</li><li>Integrated confidence scoring and classification history for improved reliability and UX.</li></ul>	



## PROJECTS

<b>Car Purchase Amount Prediction</b> <ul style="list-style-type: none"><li><b>Tech Stack:</b> Python, Flask, Scikit-learn, Pandas, NumPy, AWS EC2, HTML, CSS</li><li>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.</li></ul>
<b>AI-Powered Fake Account Detection</b> <ul style="list-style-type: none"><li><b>Tech Stack:</b> HTML, CSS, Bootstrap, JavaScript, Python, Django, XGBoost, NLP</li><li>Developed a hybrid ML model to detect fraudulent social media accounts in real time. Integrated explainable AI (SHAP) for detailed risk analysis and insights.</li></ul>
<b>Learning Buddy – AI-Powered Learning Platform</b> <ul style="list-style-type: none"><li><b>Tech Stack:</b> Streamlit, Python, LangChain, Mistral-7B-Instruct, Firebase, SendGrid, Git, GitHub, Streamlit Cloud</li><li>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.</li></ul>
<b>Handwritten Digit Recognition</b> <ul style="list-style-type: none"><li><b>Tech Stack:</b> Python, PyTorch, Flask, NumPy, Pandas, Scikit-learn, HTML, CSS, JavaScript, Matplotlib</li><li>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.</li></ul>

## 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 