

ANTO JOVITA

DMI COLLEGE OF ENGINEERING

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ABOUT ME

Artificial Intelligence and Data Science graduate with hands-on project experience in Data Science, Generative AI, Machine Learning, and AI-powered application development. Experienced in building practical projects using Python, Pandas, Scikit-learn, Streamlit, LangChain, RAG, and modern AI tools. Also skilled in Frontend Development and UI/UX, with an interest in creating data-driven, AI-powered, and user-friendly applications.

EDUCATION

Bachelor of Technology (B.Tech) – Artificial Intelligence and Data Science
DMI College of Engineering | 2022 – 2026
CGPA: 9.2 / 10

TECH SKILLS

- **Data Science:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Data Analysis, Machine Learning, Deep Learning
- **AI & Generative AI:** Generative AI, LangChain, LangGraph, RAG, Ollama, LLM Applications, CNN, RNN
- **Frontend & Backend:** HTML, CSS, JavaScript, React, Node.js, Express.js
- **UI/UX & Design:** Figma, Canva
- **Tools & Additional Skills:** Git & GitHub, Streamlit, SEO

PROJECTS

AI Data Science Analyst

- Built an AI-powered application for analyzing CSV datasets using natural-language queries.
- Implemented AI agent/tool calling with Python, Pandas, Streamlit, LangChain, LangGraph, and Ollama.

AI Research Agent

- Developed a RAG-based research assistant for semantic search across uploaded research papers.
- Used Python, ChromaDB, Ollama, Qwen3, EmbeddingGemma, PyMuPDF, and Streamlit to retrieve and display relevant evidence.

Insurance Cost Prediction using Linear Regression

- Built an end-to-end machine learning application for predicting insurance costs using data preprocessing, statistical analysis, feature selection, and Linear Regression.
- Evaluated the model using R^2 , MAE, MSE, and RMSE and deployed the application with Streamlit.

Spam vs Ham SMS Classification

- Developed an NLP-based SMS classification system using text preprocessing, TF-IDF, and Logistic Regression.
- Applied GridSearchCV and model evaluation techniques and integrated the classifier with Streamlit.

Emotion-Based Facial Recognition

- Developed a facial emotion recognition model using a Convolutional Neural Network (CNN) trained on the FER2013 dataset.
- Used Python, TensorFlow, Keras, OpenCV, and NumPy for image processing and model development.

KuralKodu – Civic Complaint Management System

- Developed a full-stack civic complaint management application with complaint registration, image upload, location capture, complaint tracking, and an admin dashboard.
- Built using HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Mongoose, and Multer.

CineVault – Movie Library

- Developed a movie search application using the TMDB API with search suggestions, debounced requests, movie details, ratings, genres, and posters.
- Built using HTML, CSS, JavaScript, and deployed on Vercel.

INTERSHIPS

- NoviTech R&D Pvt. Ltd. - Data Science Intern
- TechnoHacks — Web Development
- CodeBind Technologies - Web Development

ACHIEVEMENTS

- Top 5 finalist in WWT All India Women only Hackathon.
- Research paper on AI-Driven Personalized Fashion.
- Achieved 2nd Prize in Figma Designing.
- Participated in National Level Symposium, Paper Presentations and Hackathon.
- Top rank in Academics.

CERTIFICATIONS & COURSES

- IBM Certificate - Python for Data Science
- Data Science Course
- Generative AI Course

SOFT SKILLS

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