DUDEKULA PRATHIMABI

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OBJECTIVE

Motivated and enthusiastic AI & ML student with experience in classification, prediction, and NLP models. Skilled in data preprocessing, model evaluation, and Python/TensorFlow, passionate about applying my skills to build scalable and impactful AI solutions.

EDUCATION

BTECH, Gouthami Institute of Technology and Management for Women — Expected 2026
CSE(AIML) - 85%

Higher Secondary Education, Sri Shridi Sai Junior College — 2020 - 2022
MPC - 82%

Board of Secondary Education, Aditya High School — 2019 - 2020
9.7 GPA

SKILLS

Languages	C, Python, R, SQL
Technical skills	Machine Learning, NLP, Computer Vision, Deep Learning
Frameworks	TensorFlow, PyTorch, Keras, Scikit-learn
Tools	Pandas, Jupyter Notebook, Google Colab, VS Code, NumPy, Matplotlib
Soft Skills	Problem Solving, Teamwork, Adaptability, Communication Skills, Commitment, Critical Thinking

INTERNSHIPS

Artificial Intelligence —1STOP Feb 2024 – Jun 2024

- Built an image classification model using Python and machine learning libraries, including preprocessing, data augmentation, and model training for multiple categories.
- Evaluated and optimized model performance using accuracy metrics, confusion matrix, and visualization to ensure reliable classification results.
- Improved model generalization and prevented overfitting for robust performance on unseen data.

Generative AI Intern — NextHub Technologies May 2025 - July 2025

- Worked on Generative AI tools and prompts to build simple automation tasks and AI-based content generation.
- Gained hands-on experience with LLMs,prompt engineering,and applying GenAI for real-world problem-solving.
- Implemented small projects using GenAI tools, including automated text summarization, content creation, and workflow automation.

PROJECTS

Classification Of Pets Faces Using AI

- Built a CNN model using TensorFlow/Keras to classify pet images with over 90
- Applied data augmentation techniques to improve model generalization.
- Evaluated model performance using accuracy plots and a confusion matrix, and analyzed precision, recall, and F1-score to ensure reliable classification across all categories.

AI - Powered Resume Screening System

- Built an AI-powered resume screening app using NLP and ML to parse and rank candidates.
- Used BERT/TF-IDF features and ML models to match resumes with job requirements.
- Built a Streamlit interface for resume upload and candidate ranking.

Latent Space Representation Using AE and VAE

- Built Autoencoder (AE) and Variational Autoencoder (VAE) models to learn latent space representations of images.
- Visualized latent space embeddings to analyze feature representations.
- Compared reconstruction quality and encoding efficiency using deep learning in Python.

Customer Churn Prediction System

- Built a machine learning model to predict customer churn using preprocessing and classification techniques.
- Developed a Streamlit interface for real-time churn predictions.
- Evaluated model performance using accuracy, precision, recall, and confusion matrix.

CERTIFICATES

- Artificial Intelligence - 1STOP
- Generative AI - NextHub Technologies
- SQL - Prepinsta
- Bharatiya Antariksh Hackathon - ISRO
- Git and GitHub - ExcelR Edtech Pvt. Ltd
- Data Analysis with Python - Innomatics Research Labs

ACHIEVEMENTS

- Participated in an Essay Writing Competition at KSRM College.
- Competed in a Coding and Debugging Competition organized in my college, strengthening logical thinking and problem-solving skills.