VIDHI BADGAIYAN | STUDENT

Bhopal, Madhya Pradesh | +91 8839154109 | badgaiyanvidhi@gmail.com | linkedin.com/in/vidhi-badgaiyan-7835a5237

SUMMARY

Python-proficient machine learning enthusiast, eager to apply deep learning expertise to real world challenges. Proficient in core Django principles (MVC, models, views, URLs) and related technologies (databases, REST APIs, caching). Fluent in English communication.

EDUCATION

Lakshmi Narain College of Technology

Bachelor of Technology- Artificial Intelligence and Data Science | 2021-25

TECHNICAL SKILLS

- Python DSA
- Machine Learning & Deep Learning
- Advance Excel
- Django for backend development
- Python libraries (Numpy, Pandas, Matplotlib, Tensorflow)
- DBMS

SOFT SKILLS

- Problem-solving and analytical skills
- Communication and collaboration
- Time management and organization
- Learning agility

CERTIFICATION

- Python Essentials (by Cisco)
- Forage Data Analytics and Visualisation
- AWS Machine Learning Foundations

PROJECTS

Music Genre Classification using Python

- Description: Developed a machine learning model to classify music into various genres using the K Nearest Neighbor algorithm. Extracted audio features and trained the model on GTZAN dataset from kaggle.
- Technologies: Python, scikit-learn, Librosa

Building a Nano GPT Language Model

- Developed a miniaturized version of a Generative Pre-trained Transformer (GPT) language model, called Nano GPT. Utilized the Transformer architecture to train the model on a dataset of Shakespeare's plays. The project explored the concepts of language modeling and how Transformers learn statistical relationships between words to generate text.
- Technologies: Python programming, deep learning frameworks, concepts of natural language processing (NLP) like backpropagation and gradient descent.

LaMBDA AI (AI-powered Text-to-Website Generator)

- Developed LaMBDA AI, an AI-powered Text-to-Website Generator achieving a 63% accuracy in translating user descriptions into static website code. This project explored the application of machine learning for website creation. Users describe their desired website through text input, and LaMBDA AI utilizes a custom-trained TensorFlow model and Natural Language Processing (NLP) techniques to understand user intent and generate the corresponding HTML, CSS, and React.js code.
- Skills Used: Python programming, Deep learning frameworks (TensorFlow), NLP libraries (NLTK), Web development concepts (HTML, CSS, React.js)