NANDISHWAR BHOJANAPU

+91 7032486969 | nandishwar22112@gmail.com | Hyderabad, India 502032

SUMMARY

Machine Learning Engineer with expertise in deep learning, computer vision, and NLP. Proficient in Python and Java, with hands-on experience in predictive modeling, real-time solutions, and deployment using TensorFlow and Keras.

SKILLS

- **Programming Languages:** Python, Java.
- **Machine Learning & AI:** Deep Learning, Neural Networks, NLP, Computer Vision, Transfer Learning.
- **Modeling Techniques:** CNNs, RNNs, ResNet, DenseNet, BERT, GPT.
- **Frameworks & Tools:** TensorFlow, Keras, Scikit-learn, OpenCV.
- **Soft Skills:** Analytical Thinking, Time Management, Adaptive team player.
- **Operating Systems & DBMS** : Linux & MySQL.

TRAINING

Machine Learning Intern, Feynn Labs, June 2024-August 2024
Hyderabad, India

- Developed AI product prototypes for small businesses, focusing on abstract design and strategic implementation.
- Analyzed the Indian electric vehicle (EV) market using segmentation techniques and machine learning models to create a strategic market entry plan.
- Conducted in-depth market research, identifying key questions based on client needs, including the type of EV to produce (e.g., bikes, scooters, sedans) and target demographics.
- Designed financial models to forecast market trends, providing actionable insights for product development and business growth.

PUBLICATIONS

- Diabetic Retinopathy Detection, Capstone Project, Published Research Paper at IEEE conference

PROJECTS

AI-Powered Document & Media Understanding Platform - *Upskill Project(2025):*

- Developed an AI-Powered Document & Media Understanding Platform that performs document parsing, image object detection, plagiarism detection, and product info retrieval using NLP and computer vision.
- Built a full-stack solution with FastAPI backend and React frontend, integrated with RESTful APIs, and deployed on cloud platforms (e.g., Render/AWS) for real-time inference.
- Designed modular pipelines for preprocessing, AI vs human content classification, and structured information extraction from diverse media inputs.

Diabetic Retinopathy Detection, *Capstone Project, Published Research Paper(2024)*:

- Developed a deep learning model to detect diabetic retinopathy from fundus images using transfer learning.
- Compared ResNet50, DenseNet201, and AlexNet to optimize performance.
- Utilized the DiaretDB1 dataset for accurate diagnosis and improved early detection.

Music Genre Classification, *Course work project(2024)*:

- Built CNN and RNN models to classify music genres using the GTZAN dataset.
- Analyzed audio features to train and evaluate models for high classification accuracy.

Artist Classification, *Course work Project (2024):*

- Applied the ResNet50 model to classify artworks by different artists.
- Preprocessed data from Kaggle to achieve precise artist identification.

Task Manager and Reminder System – *Advanced Java Project (2024)*

- Developed a Java-based task manager with a GUI interface using Swing and JDBC for database integration.
- Implemented task tracking, scheduling, and reminders for various applications (browsers, Microsoft Office, file explorer, etc.).
- Utilized Oracle SQL to store scheduled tasks and retrieve historical data.
- Enabled automated execution of scheduled tasks, enhancing productivity and time management.
- Integrated real-time process monitoring to detect active applications and display them dynamically.

EDUCATION

Bachelor of Science
Computer Science And Engineering (Hons), Lovely Professional University, Jalandhar Punjab June 2024
GPA: 7.71 GPA

SOCIAL LINKS

- https://www.linkedin.com/in/nandishwarb/
- https://github.com/Nandishwar04
- https://nandishwar.vercel.app/

CERTIFICATES

- Natural Language Processing | Coursera
- Advance Python Programming | Ebox
- FullStack WebDevelopment | Board Infinity