Dhasneem Beevi

Machine Learning Engineer

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LinkedIn
GitHub
Portfolio

A Machine Learning Engineer skilled in building high-performance AI models and applying data-driven insights. Well-versed in Python, SQL, and deep learning frameworks like PyTorch. Proven ability to deploy scalable solutions, enhance workflow efficiency, and drive business outcomes through predictive analytics and model optimization.

EDUCATION

Artificial Intelligence and Machine Learning Program *Apr 2024 - Oct 2024*
Guvi Institute, Chennai, Tamil Nadu.

Bachelor of Technology in Horticulture *Aug 2016 - Nov 2020*
Tamil Nadu Agriculture University, Coimbatore, Tamil Nadu.

TECHNICAL SKILLS

- **Programming:** Python, JavaScript
- **Machine Learning:** Algorithms, Model Deployment, TensorFlow, PyTorch, Scikit-learn
- **Visualization Tools**: Power BI, Matplotlib, Seaborn
- **Databases:** SQL, MongoDB
- **Web Development:** Streamlit, React
- **Other Tools:** Git

PROFESSIONAL EXPERIENCE

SharePoint Designs | SharePoint Developer *Chennai, Tamil Nadu | Jul 2023 - Dec 2024*

- Delivered tailored SharePoint solutions using **React**, improving navigation efficiency by **30%**.
- Automated routine workflows with **Power Apps**, cutting manual effort by **50%** and increasing overall efficiency.
- Streamlined approval systems with **Power Automate**, resulting in a **25%** reduction in response time.
- Configured document libraries to optimize retrieval speed, achieving a **40%** improvement.
- Diagnosed and resolved high-priority SharePoint challenges, maintaining an **80%** system uptime.

PROJECTS

Plant Disease Detection using CNN | VIEW ***Technologies :*** *Python, Streamlit, PyTorch*

- Engineered an advanced AI solution for diagnosing plant diseases, slashing diagnosis time by **70%**.
- Built an AI-driven image classification model utilizing **ResNet-18**, enhancing diagnostic accuracy for plant diseases and achieving real-time predictions.
- Led the creation of a CNN-based plant disease detection tool, achieving **93.84%** validation accuracy.

Movie Recommendation System | VIEW ***Technologies :*** *Python, Streamlit, Scikit-learn*

- Developed a system to provide personalized movie recommendations, achieving **95%** relevancy for **top-10** suggestions.
- Utilized **TF-IDF Vectorizer** & **cosine similarity** to process **10,000+** movies, ensuring accurate recommendations.
- Created a Streamlit app with **TMDB API** integration**,** delivering recommendations in **<1** second and achieving **90%** user engagement.

Car Dheko: Predict Used Car Prices | VIEW ***Technologies :*** *Python, Scikit-learn, Streamlit*

- Constructed a predictive model for second-hand car pricing, attaining **95%** accuracy and minimizing estimation errors by **20%**.
- Conducted rigorous data preprocessing, exploratory data analysis, and feature engineering on **10,000+** records with **Pandas** and **NumPy**.
- Fine-tuned a **Random Forest Regressor** and launched a Streamlit application, reducing prediction time by **50%** and achieving an **root mean square error** (RMSE) of **0.1232.**

CERTIFICATIONS

- Machine Learning Algorithms **- Great Learning**
- Generative AI Program **- GUVI Institute**
- Power BI, Python - **GUVI Institute**
- Full Stack Web Development Program - **The 10x Academy**