

Meemansa Walia

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SUMMARY

Enthusiastic and detail-oriented aspiring AI/ML Engineer with hands-on experience in developing innovative projects, including "Dreamweave: Crafting Visual Wonders with AI," which utilizes Stable Diffusion for text-to-image generation, and an object detection robot car. Proficient in machine learning algorithms, data analysis, and model deployment. Adept at collaborating in team environments, eager to contribute to cutting-edge AI advancements and solve complex problems through data-driven solutions.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Deep Learning Frameworks: TensorFlow, PyTorch, Keras

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, Matplotlib, Keras, Pytorch

Data Visualization: Tableau, Power BI

Developer Tools: Jupyter, VS Code

Soft Skills: Teamwork, Leadership, Structured-thinking, Adaptability, Communication, Patience, Problem Solving

PROJECTS

DreamWeave : Crafting visual wonders with AI

Mar 2024 – April 2024

Gen AI Project

Python, TensorFlow, Pytorch, Hugging Face

- Developed a model to convert textual descriptions to high quality diverse images
- Utilized stable diffusion model which used CLIP encoder
- Achieved state-of-the-art performance on the Flickr30k dataset

Object Detection Robot Car

Aug 2023 – Dec 2023

Deep Learning, Computer Vision

Python, OpenCV, Arduino IDE, Android Studio

- Built an android application for real time object detection robot car
- Utilized an ESP-32 cam to capture and transmit images

Churn Prediction for Subscription Services

Jan 2024 – Feb 2024

Deep Learning

Python, Tensorflow, Keras

- Created a model to predict customer churn for a subscription service
- Developed a churn prediction model that identifies customers at risk of leaving the service, leading to a 15% increase in retention rates

EDUCATION

Chitkara University

B.E. in Computer Science - 9.82 CGPA

Rajpura, Punjab

Sept 2020 – June 2024

Stepping stones Senior secondary school

12th - 86.4%

Chandigarh

Apr 2019 – Apr 2020

Shivalik Public School

10th - 95.2%

Mohali, Punjab

Apr 2017 – Apr 2018

CERTIFICATIONS

- Google Advanced Data Analytics
- Google Cloud - Introduction to Generative AI
- DeepLearning.AI Generative AI with Large Language Models