Prathamesh Vaishnav

A dedicated and aspiring Software and Technology Engineer with an objective of working in an organisation that provides opportunities for technical and personal advancement.

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EXPERIENCE

- **iNeuron Intelligence Pvt. Ltd,** Bengaluru   July 2022-Sep 2023
  Machine Learning Engineer Intern
  - Developed an end to end application ' Brihaspati-Granthi ' using ML,DL, CV and cloud based infrastructure as an Intern with iNeuron.ai for Thyroid Disease Detection in Healthcare domain. Worked on a complete deployment process and created POCs.

PROJECTS

1. **Medical Insurance Cost Prediction —**   Dec 2023
   - Developed and implemented a predictive model for medical insurance cost estimation using advanced statistical analysis and machine learning techniques. Analyzed large-scale healthcare datasets to derive actionable insights and optimize cost prediction accuracy. Utilized Python, Pandas, Scikit-Learn, and TensorFlow for data preprocessing, feature engineering, model training, and evaluation. Successfully improved cost prediction accuracy, contributing to enhanced decision-making and cost management strategies within the healthcare industry.

2. **Semiconductor Fault Detection—**   Jan 2024-March 2024
   - Architected and implemented a robust end-to-end machine learning pipeline leveraging MLOps, DVC, and CI/CD technology, resulting in a 40% reduction in time required for model deployment and maintenance.

3. **Image Colorization Using GAN —**   May 2024
   - Developed and implemented a GAN-based model for automatic image colorization, leveraging deep learning techniques in computer vision. Utilized Python, TensorFlow, and Keras to train the model on large datasets of grayscale images paired with their corresponding color versions. Achieved significant accuracy in generating realistic and visually appealing colorized outputs, demonstrating proficiency in neural network architecture design, image processing, and deep

4. **Thyroid Disease Prediction —**   July 2024
   - Developed an end to end application using Machine learning, cloud based infrastructure for healthcare domain. Worked on complete deployment process and created reports. Appliction gives realtime detection with accuracy matrics >90%

SKILLS

Languages: Java,Python,SQL

DevOps Tools: Docker,CircleCI,Git Aws Elastic Beanstalk,Github Actions

Cloud | Visualisation: AWS,Azure,GCP, Heroku,Postman(API) | Excel, Tableau,PowerBI

Web Framework: YOLO,Streamlit, Chainlit,BentoML,Flask & Flasgger

Data Science: ML,CV,NLP,CI/CD,DVC

DeepLearning: OpenAI, LLM,Llama2, Langchain

DataBase: SQL,REST API,NoSQL, MySQL, PL/SQL(MongoDB)

Python Packages: Sklearn,Numpy,Keras Pandas,OpenCV,Pyspark,Pytorch,Plotly TensorFlow,Seaborn,Matplotlib

CERTIFICATIONS

Python (iNeuron.ai**)**
PowerBi Foundation (iNeuron.ai**)**
CLoud Engineering Track By Google Cloud (Google Cloud Platform**)**

EDUCATION

Vishwakarma Institute of Technology (VIT), Pune
BTech. (Computer Engineering)

PUBLICATION

Soil Monitoring and Watering System Control By An Application (PATENT).

CHALLENGES

Google cloud Security Challenge