

SIDHESHWAR S HARKAL

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OBJECTIVE

Self-motivated and result-driven Data Scientist with over 4+ years of experience in developing and implementing data-driven solutions.

EXPERIENCE

Programmer Analyst

Aug 2021 - Current

Cognizant Technology Solutions India Private Ltd,

- Developed and deployed various Machine Learning and Deep Learning models with hyper-parameter tuning on the GCP cloud platform using Vertex AI, including pre-trained, Auto-ML, and custom models.
- Worked on MLOps on Vertex AI with Kubeflow pipeline to design and build efficient workflow with scheduling and manage the capabilities to build and deploy with continuous integration / continuous deployment.
- Work on Explainable AI And Causality with open source libraries like shap, lime.

Data Science Intern

Jan 2021 - Aug 2021

Datatheta (Lance Labs Pvt Ltd)

- POCs: Deep Learning for NLP and Computer Vision, researched upon various suitable models, datasets, training methodologies and deployment strategies for the presented problem statements.
- Used pre-trained models such as VGG16, Resnet50 models to classify different types of Image Classification, Object Detection and Image segmentation Task.
- Created APIs for deploying models using both streamlit and FastAPI frameworks.

Junior Engineer (Data Science)

Jan 2017 - Mar 2019

Bosch Ltd

- Built an ML model for predictive analysis using Linear Regression, Logistic Regression, SVM, Decision tree, Random Forest, and XGBoost algorithm and improved the model performance using Hyperparameter Optimization and cross-validation technique.
- Developed an ET (Extract and Transform) Script using Python for data Analysis and ML Model.
- Designed and developed an interactive dashboard for custom graphing and data visualization.

SKILLS

Languages:

Python, R, C++, C, SQL, HTML, CSS.

Tools and Technologies:

Kubeflow, MLFlow, GCP, PySpark, Docker, Git.

ML Libraries and Framework

Numpy, Pandas, Scikit-learn, Matplotlib, Plotly, Seaborn, TensorFlow, Keras, NLTK, PyTorch, Huggingface, OpenCV, PIL.

EDUCATION

PGDAI - Data Science CDAC ACTS Pune

Aug 2019 - Feb 2020

Bachelor of Engineering, Savitribai Phule Pune University,

Aug 2014 - Aug 2017

PROJECTS

APS (Air Pressure System) Failure in Scania Trucks.

- Developed a binary classifier using machine learning algorithms to predict APS failure in Scania Trucks, resulting in significant cost savings for the company. Utilized various ML models and deployed the final model using Streamlit library on Heroku Cloud platform for efficient access.

MRI-based Brain Tumor Detection.

- Developed a CNN-based image segmentation model for detecting brain tumors using MRI and built a Streamlit web app that predicts the presence of brain tumors. Utilized image segmentation to show the location of the tumor in the MRI image, providing valuable insights for doctors and other medical professionals.

ACHIEVEMENT

- TFUG Bangalore - Sentiment Analysis, Kaggle, 1st position private leaderboard
- Effectiveness of STD drugs Challenge, HackerEarth, 11th position private leaderboard

CERTIFICATIONS AND COURSES

- [Certified Google Cloud Professional Machine Learning Engineer.](#)
- [Completed the Machine Learning course taught by Andrew Ng](#)
- [Microsoft Certified: Azure AI Fundamentals](#)