SHUDHATMA JAIN

Senior Machine Learning Engineer (MLOps Engineer)

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 Bengaluru, Karnataka

EXPERIENCE

Senior Machine Learning Engineer

Quantiphi

Aug 2022 - Ongoing

Bengaluru, Karnataka

- Led a 3-member team to streamline the ML process through the seamless integration of MLOps, leveraging Azure DevOps for CI/CD. Achieved a 50% reduction in model training costs by automating data preprocessing, model training, and one-click deployment to production via Sagemaker pipelines. It helped in automating all the existing ML Models in the pipelines to be easily managed by a single person.
 Tech Stack Sagemaker Studio, Sagemaker Pipelines, Docker, Azure
 - **Tech Stack** Sagemaker Studio, Sagemaker Pipelines, Docker, Azure Devops, Python, S3, AWS ECR, Tensorflow, HuggingFace, Docker
- Optimized the built-in extraction algorithm, which led to a 5 percent reduction in pipeline failures attributed to memory errors.
 Tech Stack - AWS Lambda, Python
- Ideated on robust data metrics enabling seamless tracking of pipeline precision, recall, and data drift, alongside precise model performance assessment.
 - Tech Stack CronJob, AWS Lambda, Amazon CloudWatch
- Mentored and trained over 5 Machine Learning Interns, in Python programming and the essential Machine Learning concepts, aiding their successful integration into the company's onboarding process.
- Developed a learning path for colleagues transitioning from the role of Data Engineer to Machine Learning Engineer.

Machine Learning Engineer

Quantiphi

Dec 2020 - July 2022

Bengaluru, Karnataka

- Engineered and operationalized an advanced information extraction model, streamlining entity extraction processes to enhance efficiency for downstream tasks, achieving F1-Score of 85%.
 - Tech Stack Huggingface, Pytorch, Python, Sagemaker Pipelines, Docker.
- Designed an embedded document classification algorithm, achieving an exceptional 98% F1-score.
 - Tech Stack Tensorflow, Docker, Sagemaker Endpoint, Python
- Developed a data visualization web application using Dash and Plotly to facilitate project analysis and metric comparison, enabling assessment of the impact of changes to the codebase.

Tech Stack - Python, Dash, Plotly

Trainee R&D Engineer

EXACKT TECHFLEETERS PVT LTD

May 2019 - Jul 2019

Jaipur, Rajasthan

 During the internship worked on a Face Recognition System on real time webcam feed. Used opency for detecting faces which were finetuned on Facenet Model and hard triplet mining to recognize faces based on the available dataset.

Tech Stack - Tensorflow, Python, Jupyter Notebook.

ACHIEVEMENTS



Won Group of Talent Awards

for the 30 most exceptional employees in the organization.



Team Work

Received the Kingsmen Award for contributing to the most impactful project in the organization.



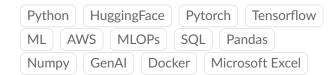
HardWork & Persistence

Cleared JEE Advanced in the first attempt with a selection rate of 1%.

CERTIFICATIONS

- AWS Certified Solutions Architect Associate.
- GCP Cloud Certification Foundational level.

TECHNICAL SKILLS



STRENGTHS

Hard-working Team Player
Communication

LANGUAGES

Hindi English



EDUCATION

B. Tech. in Electrical Engineering IIT Dhanbad

☐ Aug 2016 - July 2020 7.18 CGPA