



ADIBA SHAIKH

Machine Learning Engineer

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SUMMARY

A passionate Machine Learning Engineer with 3 years of experience, along with a proven track record of successfully applying machine learning solutions to real time problems. Looking forward to establish myself in a progressive role to help the stake holders by leveraging the AI opportunities in order to provide high quality service and optimization of performance.

KEY SKILLS

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|-------------------|---------------------|-------------------------------|-----------------|
| • Python | • OOP | • Natural Language Processing | • OCR |
| • AI / ML | • Flask | • Convolution Neural Network | • Kubeflow |
| • Data structures | • MySQL / MS SQL | • Tensorflow / Keras | • Web Services |
| • Algorithm | • Azure / AWS / GCP | • HTML / CSS / Bootstrap | • Microservices |

WORK EXPERIENCE

MACHINE LEARNING ENGINEER, TCS

+ Standardized OCR and Entity Extraction Process

- Leverage the AWS and GCP ML services - Textract and Vision, to extract text from pdf, png, jpg, jpeg images and then obtained the required entities from the extracted text using Detect Entity and Detect PII Entity in AWS and AutoML Entity Extraction in GCP
- Created sync and async request in python to handle single and multipage request to the API
- Standardized the whole code-base using the principle of separation of concerns in object oriented programming

+ Automated Product Classification

- Applied pre-processing to front and back image of the product and implemented an OCR solution to extract text
- Based on the extracted text, implemented a Decision Tree model to classify the product in one of the predefined category with 80% accuracy
- Deployed web services to automate the classification of French, German and UK products

+ Webscraper Solution for UK based retail analytics company

- Developed and maintained 55+ scrapers to collect data from e-commerce websites for analysis of trend in products
- Handled proxy issues, dynamicity of the retailer website and storage of large amount of product data in a timely and effective manner
- As a recommendation to the customer, created a POC by using extensive NLP to analyze the sentiments of the customer based on the product reviews

+ Image Crowdsourcing

- AI based crowd smart crowdsourcing platform for data annotation, data description, data extraction and data analysis
- Trained the model using State-of-the-Art YOLO model for object detection
- Visualized the important aspects of the project on the dashboard to gain valuable insights and generate actionable report

CERTIFICATIONS

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| • AZ-900 Azure Fundamentals, Microsoft | • Machine Learning A-Z, Udemy |
| • Digital: MFDM™ AI Fluent - ML Engineer, TCS | • Natural Language Processing with Python, Udemy |

EDUCATION

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| • Master's in Artificial Intelligence and Security
Wilson College, Mumbai
2019 - 2021 | • Bachelor's in Computer Science
Jai Hind College, Mumbai
2015 - 2018 |
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ACTIVITIES

- Member of TCS Maitree Public Speaking - Toastmaster Club
- Organizer of Tech Club and Fun Committee
- Volunteer for proofing reading documents in TCS Purpose for Life