UTTAMKUMAR TARASARIYA

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ABOUT ME

A motivated Artificial Intelligence enthusiast with Certified AWS Machine Leaning Specialist. Have been passionate about how AI can add value to almost any situation and environment. Therefore, whenever It can be possible, allocate time to continue training in AI and ML, as well as in product ideation, discovery, and definition. Diligent worker, good planner and swift learner.

Core Skills

Data Scraping	Reinforcement learning
Data Analysis	Time series, Forcasting,
Data Engineering	Computer Vision,
Cloud resources configuration (AWS, Google)	Recommendation system,
Machine Learning	Natural Language Processing,
Deep Learning	AI-ML on AWS Sagemaker,

HIGHLIGHTS

- Good knowledge of Machine Learning and Deep Learning including libraries pandas, scikit-learn, nltk, pytorch, tensorflow and more.
- Developed a computer vision project using Machine Learning.
- Worked with images and videos real-time analysis using OpenCv
- Trained, tuned and deployed Machine Learning models including xGBoost, classification/regression models for real time inference on AWS Cloud.
- Configured cloud computing resources such as CPUs, GPUs, data pipelines, storages to manage ML DL models.

EDUCATION

Loyalist College in Toronto, North York, Canada

Artificial Intelligence and Data Science
Ontario College Graduate Certificate in Artificial Intelligence and Data Science

May '21 – Present
GPA : 3.9

Government Engineering College, Rajkot, India

Bachelor of Engineering – Computer Engineering
Gujarat Technological University – Ahmedabad

May '15 – Apr '19
GPA : 3.0

WORK EXPERIENCE

Artificial Intelligence Engineer (AI-AWS Developer) - PlanetX IT Services Pvt. Ltd. - Surat, India

Nov '20 – Present

- AWS cloud compute resource configurations
- Data Engineering tasks including data gathering-cleaning-analyzing and preparing to input
- Working with AWS Sagemaker to build, train, tune and deploy Machine Learning Models, Deep Learning Networks, Computer vision applications deployments
- Resource, data and model security

Mobile Engineer – PlanetX IT Services Pvt. Ltd. – Surat, India

May 2018 – August 2020

- Development of Android mobile applications using Java and Kotlin
- Communicate with clients to ensure workflow matches requirements properly
- Update requirements and deliverables to fullfill changed requirements
- Publish applications on Google playstore and app store
- Train juniors to ensure their better training

OMNI associate – Walmart Store – Toronto, Canada

June 2021 – Oct 2021 (Part time)

- Work with the team
- Accomplishes organisation mission by completing related results as needed.
- Orders management using Walmart GHS inventory management system
- Stock and zone the items accordingly and as required
- Learned operation of handling online orders to ensure a smooth process.

Ship-Dock associate – Amazon Warehouse – Toronto, Canada

Nov 2021 – Present (Part time)

- Work with the team and follow safety rules and procedures.
- Orders management task, pick, sort using Amazon order management system
- Scan and update parcel's locations in the system to inform customers accordingly
- Learned to work and co-operate with bigger staff with about a thousand of employees

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PROJECTS

Realtime Video Masking – Computer Vision and Deep Learning Application

- Researched and documented procedure and libraries
- Used AWS Rekognition for finding sensitive information such as faces, number plates from the video content captured by sensors installed in the car and using OpenCV packages for blurring the information.
- Developed a platform to upload video, apply masks on some objects and store it.
- Cooperated and synchronized with Testing operated by QA team

Present

Image Recognition – Computer Vision Application

- Developed a platform for restaurant menu Text Extraction from Daily Menus Image
- Managed Flow : Get Image of menu from restaurant manager uisng AWS API Gateway, manage it using AWS Lambda, extract the text using Amazon Textract Deep Learning Algorithm and respond to them with detailed information like item with price, special offers, discounts etc.
- Deployed platform on the AWS cloud for real time usage.

Jan '22

Social Platform for matching like profiles – Deep Learning Application

- Aim is to connect people with equal likes
- Set up AWS Resources to get all registered users profiles for preparing dataset.
- Configured and managed pipelines to input data to Machine Learning model
- Designed, trained, tunedd, and deployed several machine Learning classification models to get higher accuracy
- Configured AWS API Gateway, AWS Lambda, DynamoDB and other required resources
- Cooperated and synchronized with Testing operated by QA team

Mar' 22

Spam Message Classification – Machine Learning Application

- Collected data of the messages to train model
- Cleaned and balanced dataset to increase the accuracy and better training of model
- Builded, trained, tuned and deployed xGBoost Machine Learning classificaton model for classifying emails
- Managed AWS Resources including AWS Lambda, AWS Sagemaker, Storage, AWS API Gateways.
- Deployed model and generated endpoint for realtime testing

Dec '21

Recommendation System – Deep Learning Application

Feb'22

- Aim is to build recommendations
- Initially used Amazon data and review to get start
- Build, trainined, tuned and deployed model on AWS Cloud
- Parallely gathering original data from shopping website
- Configured and managed all services including pipeline, AWS Glue for performing ETL tasks and data storage.

TECHNICAL SKILLS

Programming Languages

R – Python
Java Script
Frontend : Java, Kotlin, ReactJs, React Native
backend : NodeJs

Databases

SQL
DynamoDB, MongoDB
Google Firebase
Databases on AWS

Tools and Technologies

AWS Sagemaker
AWS (Glue ETL, Kinesis, S3, AWS Lambda, API Gateway, AWS Comprehend, AWS Translate, AWS Transcribe, Polly and other related to AI)
Python (keras, sklearn, pycharm, Opencv, YOLO)
IDEs (jupyter, pycharm)

Platform (GCP, AWS)
Visualization (PowerBI, Tablue, seaborn, matplotlib)
Microsoft Excel
Version Control (Github, BitBucket)
OS (Linux, Windows)

Soft skills

Proactive
Research and development, reading and preparing procedure document
Problem solving

Working and contributing team
Communication

CERTIFICATIONS

AWS Machine Learning Specialty - Expert Level

Mar '22

By AWS (Amazon Web Services)

Machine Learning A-Z™: Hands-On Python & R In Data Science – Learning Certifications

May '21 - Nov '22

Deep Learning A-Z™: Hands-On Artificial Neural Networks

Artificial Intelligence A-Z™: Learn How To Build An AI

By Udemy online

EXTRACURRICULAR ACTIVITIES

- Coordinator of Programming events during the academic session.

- participated in C-Quiz in GEC IT events - Rajkot

- Represented Government Engineering College, Rajkot in Writing Competition.