Contact

www.linkedin.com/in/shaun-mendes (LinkedIn)

Top Skills

Python
Machine Learning
Deep Learning

Languages

Marathi (Limited Working)
English (Full Professional)
Hindi (Professional Working)
Konkani (Limited Working)

Certifications

Learning Python Generators
Python: Design Patterns
NLP with Python for Machine Learning Essential Training
Parallel and Concurrent Programming with Python 1
Machine Learning

Shaun Mendes

Data Scientist II at HERE Technologies
Mumbai

Summary

• Data Scientist having 4+ years of experience in the area of Deep Learning, Machine Learning, Big Data, Web Development, and Consulting. Persistently incorporating myself with the latest developments, trends, and state-of-the-art practices in Artificial Intelligence (AI) and Technology.
• Hands-on working experience with deep learning technologies (Pytorch, Tensorflow, RAPIDS, Nvidia CUDA, and cuDNN) while training on huge datasets by employing distributed training and strategies to optimize resource and training time. Analogous to which I worked on managing an in-house cluster and training models in cloud environments such as AWS and Azure.
• I have worked on projects across Fortune 500 companies driving business transformations through advanced analytics.
• Built and deployed Web Based Applications on the most widely used cloud platforms such as Azure and AWS.
• In addition to being highly ambitious and driven to flourish, I have exalted regard for efficiency. I am critical about the prompt execution of my responsibilities and tasks in order to be highly productive in my work performance.

Experience

HERE Technologies
Data Scientist II
April 2021 - Present (1 year)
Mumbai, Maharashtra, India

• Research in NLP and CV to enrich location content for categorization, entity extraction, road sign and lane detection and classification, graph learning
• Deployed XLNet transformer on AWS for inference on places in 100+ categories
• Trained Random Forest and BERT on structural and textual features of websites to identify place websites. Productionized the model on AWS that provided 1Mn+ places records.

• Built a NER model using XLM-RoBERTa to extract street addresses from text across 15 countries
• Developed model to rank place name candidates extracted from site text using Sentence Transformers
• Designed an ensemble of rule-based and transformer-based models to extract and rank place name candidates. Deployed model on AWS for all English texts
• Training and Inference of models on HPC Nvidia DGX, with multiple GPUs using quantization and mixed-precision training to reduce model size and response time
• Automated GitLab or Jenkins CICD services to AWS ECS or Lambda via CloudFormation or SAM

Fractal Analytics
Machine Learning Engineer
August 2017 - April 2021 (3 years 9 months)
Mumbai Area, India

• Working as a Deep Learning and Big Data (AI) Engineer, developing Fractal Analytic's AI solutions and capabilities with scaling for structured and unstructured data using Big Data and Cloud infrastructure.
• Engineered a Fraud Detection Solution for a [FMCG] client using Pyspark with Hive in a distributed environment on an AWS cluster with automation in Jenkins and Oozie.
• Worked on Audio Based Recommendation System using Nvidia Rapids and Tensorflow. Used audio features based on the Mel Spectrogram to recommended songs based on Location Sensitive hashing.
• Worked on AI Demand Forecasting [CPG] client project using Time Series Forecasting and Analysis along with other ML models. Ensembled and stacked multiple linear, additive, gradient boosting, and time series models. Parallelized multiple existing XGBoost models and reduced training turnaround time by 75%.
• Categorize URLs by stacking multiple generative probabilistic and discriminative probabilistic models to deliver results with enhanced sensitivity for most classes by 20-25%.
• Single-handedly spearheaded the built of a scalable web utility for KPI dashboarding & automation that lets you oversee every aspect of your process in real-time for a [CGP] client.
• Built attention-based deep learning models to translate 3 major languages.
• Automation client reports using VBA.

• Workflow creation using selenium on company tool reducing workload by 400hrs.
• Cleared AI Engineer Career Track to be designated as Engineer at Fractal Analytics.
• Completed Udacity Machine Learning Engineer Nanodegree.
• Completed Data Science Boot Camp conducted by Manipal Prolearn.
• Completed Tensorflow in Practice Specialization.
• Completed Deep Learning Specialization.

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Education

University of Mumbai
Bachelor of Engineering, Electronics and Telecommunication · (2013 - 2017)

St Andrews College of Arts Science & Commerce St Domnic Road Bandra West Mumbai 400 050
Higher Secondary Education, Computer Science · (2011 - 2013)

Holy Family High School
 · (2001 - 2011)