Nikhil Prashant Mudhalwadkar

Machine Learning Engineer

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Education

MSc., Data Science
Luleå Technology University
Sept 2021 - Sept 2022
Uppsala, Sweden
Thesis : Sketch colourization using Conditional Adversarial Networks
Thesis hosted on HuggingFace Spaces
nmud19/Sketch2ColourDemo
Tools- pytorch lightning, gradio

BEng., Computer Engineering
University of Pune
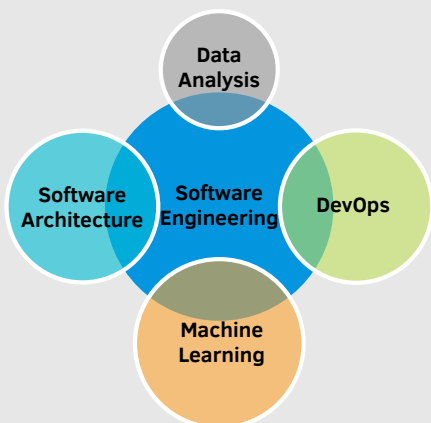June 2011 - June 2015
Pune, India

Kaggle

Highest rank attained - 837

Top 3 performances :
1. Two Sigma Financial Modeling
Challenge : 44/2070 (Top 3%)
2. Allstate Claims Severity :
215/3055(Top 8%)
3. Porto Seguro's Safe Driver
Prediction : 443/5169 (Top 9%)

Technical Skills

Overview

Introduction

7+ years of international experience in the field of data science and software development. Experienced at building data driven products using machine learning and statistical analysis to deliver actionable insights and solve complex business problems. Currently ranked in the top 3 % of Kaggle's competition community.

Experience

Jan 2021 - Present

Machine Learning Engineer — **H&M group**
Stockholm, Sweden
Keywords : python, sklearn, fastAPI, pydantic, azure devops, cicd, docker, kubernetes, helm, pulp, optimization, scrum master
- Lead engineer and scrum master in the product to generate article quantity buying suggestions for assortment planners.
- Led the decoupling of demand forecast and optimization engine from a monolith legacy system to enhance product workflow and create capability for other products
- Launched a new product, ASQ-OL RIROA, to increase ASQ usage in the company from 40% to 60%.
- Involved in hiring for the team as well as across area/domain(AI) for engineers, engineering managers and data scientists

Jun 2019 - Dec 2020

Machine Learning Engineer — **Geophy BV**
Delft, Netherlands
Keywords : ci/cd, docker, git, model deployment, computer vision,AWS sagemaker, AWS step-functions,AWS ECR, AWS glue
- Model deployment: Deployed property classifier(binary)using AWS sagemaker for batch transform using AWS step-functions for orchestration. Also, deployed flagship Evra AVM model(s) on a flask/docker/kubernetes using gitlab ci in an api-first approach
- Computer Vision : Tabular data detection from house appraisals(pdfs) using faster-RCNN(mAP 0.9) . Also developed an in-house tagging tool that enables users to draw bounding boxes on pdfs for creating train labels.

Aug 2018 - May 2019

Machine Learning Engineer — **ZS Associates**
Pune, India
Keywords : statistics , data product, chatbot, advanced analytics, interface with stakeholders
- Working on the Personalised Analytics team to generate, consolidate and prioritise insights(sales across segments for allocated products) for pharmaceutical sales representatives. The insights appear on the "news feed" section on the PA app
- Implemented POC's with a goal to evaluate various chatbot frameworks suitable for the PA app. Identified and implemented a chatbot using "google dialogflow" in the PA app to transform user questions to keywords for query processing which retrieves insights.

Jun 2015 - Aug 2018

Data Scientist — **64squares Pvt Ltd**
Pune, India
Keywords : management consulting , statistical analysis , data visualization, gradient boosting, client engagement, clustering, data manipulation
- Worked on multiple predictive analytics and nlp problems with a focus on client acquisition
- Participated in multiple client engagements and coordinated with product manager and devops teams to deliver analytical solutions through predictive models