

Nabeel Khan

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Machine Learning Engineer with 3+ years of industry experience & seeking internship opportunities for Summer'22.

Willing to relocate: Anywhere

Work Experience

Associate Data Scientist

Merilytics - Hyderabad, Telangana

April 2020 to August 2021

Developed a Demand forecast model with 1800 SKUs for a major European EV supplier

- Leveraged Time Series forecasting packages such as fb-prophet, neural prophet, & seq2seq neural nets.
- Reduced time taken for forecasting from 1 week to 4 hours with the automated pipeline.

Created a heuristic based driver scheduling algorithm to incorporate driving, terminal, & regulatory constraints.

- Automated driver scheduling, reducing the time taken from multiple days to 15 minutes.
- Produced a simulation of bills movement across 34 terminals for a long-haul trucking client.

Built an Automated Valuation Model (AVM) using TensorFlow-based custom nearest-neighbor architecture to identify comparable properties for 4 major property types.

- Delivered ~\$25 million annual savings by reducing ~2700 man hours weekly by automating property valuation.
- Collaborated with client on biweekly calls to deploy the AVM in the client's environment by establishing an end-to-end data pipeline, & refactoring the code using PEP guidelines.

Senior Analyst - Data Science

Merilytics - Hyderabad, Telangana

February 2019 to April 2020

- Built Sales Forecasting Model using Keras for creating promotion strategy for an American online clothing chain.
- Developed an end-to-end data pipeline on Azure utilizing Azure functions.
- Utilized KNN for determining comparable real estate properties, incorporating weights for different features.

Machine Learning Trainee

Vidooly Media Tech Pvt. Ltd. - Delhi, Delhi

December 2018 to January 2019

- Developed several Keras models for classifying YouTube Thumbnails and established data pipeline for extracting thumbnails using YouTube API.

Co-Founder, and Content Creator

Synergy Learn Aligarh/Delhi - India

January 2018 to September 2018

- Animated & Produced lectures for YouTube & garnered 10,000 hours of watch time.
- Managed company website, and social media to promote business.

Python Developer Internship

Modestreet Internet Pvt. Ltd. - Delhi, Delhi

September 2017 to December 2017

- Created a web app using Django & Three.js to make 3D human models with specific dimensions, to be used as a virtual mannequin for an online clothing store.

Education

Master of Science in Data Science

University at Buffalo, SUNY - Buffalo, NY

September 2021 to Present

Bachelor of Technology in Industrial Engineering

IIT (Indian Institute of Technology Roorkee)

May 2013 to April 2017

Skills

- Python (4 years)
- JavaScript
- R (1 year)
- Keras (3 years)
- sklearn (3 years)
- PyTorch (2 years)
- OpenCV (1 year)
- PySpark
- Geopandas (1 year)
- Django (1 year)
- Excel (3 years)
- Visual Studio Code
- Version Control (git)
- OR Tools
- TensorFlow (2 years)
- Forecasting
- Data Science (3 years)
- GitHub (1 year)
- Microsoft SQL Server

- Machine Learning (3 years)
- Tableau (1 year)
- Analytics
- Deep Learning (3 years)
- Power BI
- Regression analysis (3 years)
- SQL
- Computer Science
- Statistics
- Linux

Links

<http://github.com/lanbeee>

<http://linkedin.com/in/nabilkhaan>

<https://lanbeee.github.io/>

Awards

Joint Entrance Examination

Achieved 99.76 Percentile in the Joint Entrance Examination (All India exam with 1.4 million candidates).

Additional Information

Projects

- Time Series Forecasting : Time Series Analysis, customer segmentation, and interactive dashboard for 100k orders from an e-commerce platform.
- Resume Synchronization : Managed 6 profile versions on a single spreadsheet to keep changes in sync & avoid repetitive editing. Utilized Python, HTML, & CSS for formatting & rendering, and Excel for handling data to create this version of my resume.
- 8 Ball Pool : Predicted & visualized ball trajectories using OpenCV, & made preemptive optimal decisions.
- Smartphone Price Prediction : Mined data from GSMArena and performed feature engineering by mapping Centurian Mark Score using fuzzy logic
- Wildfires Analysis : Visualized the clusters of different wildfires using geopandas, and predicted the Arson wildfire by performing EDA & appropriate feature engineering.
- Poultry Price Forecast : Scraped 2 years of data using Selenium and built a Time Series forecast model.
- Clustered grocery items using kmeans for optimal positioning & proximity of similar items.
- Sentiment Analysis : Used Glove Word Embedding (NLP) for analyzing sentiments from twitter.