

ABDUL QADIR AHMED

Masters degree holder in Engineering with around
5 years of experience in Data Science and 6 years overall.
Very Good Written and Verbal communication skills in English.

Proficient in solving Business problems using Machine Learning and Data Visualization.

Pune, India

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SKILLS

Programming	Python, PySpark, SQL
Python Packages	Numpy, Pandas, Scikit-learn, Tensorflow, Keras, Matplotlib, Plotly, SpaCy, NLTK
Machine Learning	XGBoost, Neural Networks, NLP (LSTMs, BERT), Time Series, Explainable AI
Cloud Services	Amazon Web Services (AWS)
Tools	Tableau, Streamlit

PROFESSIONAL EXPERIENCE

ZS ASSOCIATES

Pune, India

Senior Data Scientist (Full-Time)

Mar 2022 - Present

- Developed advanced algorithms that solve problems of large dimensions in a computationally efficient and statistically effective manner.
- Led a team of 2-3 data scientists, executed data analysis, guided on research methodology, ensured use of best practices, and the quality of insights and outputs generated.
- Forecasted patterns of antibiotic resistance over time in a drug-pathogen pair using Auto-ARIMA, Facebook Prophet and multi-variate time series like VAR, VARMAX, and DeepAR models.
- Segmented Patients journey using a CNN Auto-encoder & Word2Vec.
- Performed market gap analysis identified barriers/risk in drug promotion in the US geography for UC (Ulcerative Colitis) disease using XGBoost algorithm.
- Identified Topics related to pharma in sentences using BERTopic.
- Recommended Slides (presentation) to HCPs based on Collaborative Filtering (ALS) using AutoREC model.
- Collaborated with clients and cross functional teams to develop & deploy the data science solutions effectively & communicated the analysis findings.

TCS Research

Pune, India

System Engineer - Data Scientist (Full-Time)

Jul 2018 - Feb 2022

- Derived business insight from large, structured, semi-structured, unstructured datasets and worked with business stakeholders.
- Worked in quick iterations, using the techniques and algorithms best suited for solving the challenging problems across multiple projects simultaneously.
- Annotated and Classified Regulation datasets into multi-classes using Bi-LSTMs & BERT.
- Detected sentence boundary to extract meaningful well-formed phrases, attributes and information from sentences. Start and End token boundaries were detected.
- Collaborated with the Research team and Classified Obligations and Non Obligation legal texts (NLP) in Regulation dataset.

ROBERT BOSCH

Nashik, India

Graduate Engineer (Full-Time)

Aug 2014 - Sep 2015

- Worked with R&D teams to understand customer's pain points. Analysed data to enhance product quality and translated the results into business insights.

EDUCATION

IIT Madras

Chennai, India

- Master of Technology in Mechanical Engineering, GPA: 7.9/10

June 2016 - May 2018

University of Pune

Pune, India

- Bachelor of Technology in Mechanical Engineering, GPA: 7.5/10

June 2010 - May 2014

RESEARCH PAPERS

- A Pipeline for [Automating Labelling to Prediction in Classification of NFRs](#). In IEEE 29th International Requirements Engineering Conference.
- Identification and Classification of Architecturally Significant Functional Requirements Engineering. In IEEE 7th International [Workshop on Artificial Intelligence for Requirements Engineering](#) (AI-RE).