# MD MOZAKKIR ANSARI

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## PROFESSIONAL OVERVIEW

Data Scientist| Data Analyst |AI|Machine Learning |Deep Learning with strong Math's background and **3+** years of experience using predictive modeling, data processing, and data mining algorithms to solve challenging business problems. Involved in Python open source community. Certified Oracle

## EXPERIENCE

### DATA SCIENTIST/ARTHA NET SUPPORT CENTRE PVT LTD
**March 2019 – Jan 2020**

- Research on application of Advanced Machine Learning Algorithms in "Banking Fraud" domain.
- Productionize suitable "Machine Learning algorithms" in "Banking Fraud" domain.
- Developing advanced methods to generate explanation for "Advanced Machine Learning" models which are generally "Black Box Models".
- Formulate new approaches for data preparation for model building.
- Identify potential opportunities to enhance company's Fraud Detection system as well as lead machine learning initiatives involving design, development and deployment of machine learning algorithms helping business to grow and scale.
- Designed and developed neural network models to improve the accuracy of Fraud Detection system to 93.4%
- Designed and developed Customer Lifetime Value model to identify the most profitable customers and then target those customers for new campaigns.
- Model implementation lift the product sales by 7.8%.

### DATA SCIENTIST/DATA ANALYST/ AL HAMMADI DEVELOPMENT AND INVESTMENT CO
**Dec 2013– March 2019**

- Understand health care operations and systems
- Create and validate record-keeping processes
- Pull and integrate data from disparate sources (e.g. cost and claims or clinical data)
- Evaluate and preprocess raw information
- Delve into data to discover discrepancies and patterns
- Build models that capture a wide range of health care operations.
- Present and explain information in an accessible way

DBA with over all IT **7+** years of experience including **5+** years in GCC - Riyadh and UAE – Dubai holding a degree of Bachelor in computer science/Engineering working on Information Technology industry which includes Database with hands on in Administering, Tools and Applications.

## CORE COMPETENCIES

| | |
|---|---|
| Data Science | ★★★★★ |
| Machine Learning | ★★★★★ |
| Artificial Neural Networks | ★★★★★ |
| Convolutional Neural Networks | ★★★★★ |
| Predictive Modelling | ★★★★★ |
| Computer Vision & Image Processing | ★★★★★ |
| Quantitative Analysis | ★★★★★ |
| Training & Development | ★★★★★ |
| Deep Learning | ★★★★★ |

(e.g budgeting reports)
• Suggest ways to both increase healthcare quality and reduce costs (e.g. money spent in R&D)

**SOFTWARE ENGINEER/SHREE SOFTWARE TECHNOLOGIES PVT.LTD**
June 2012 – Nov 2013
• Maintaing databases for the oracle based applications.
• Monitoring and healthcheck of all the DB servers.
• Performance Tuning of the DB servers and instances.
• Creating scripts for automating the DB procedure.
• Perform backup and DB restoration activity.
• Running SQL scripts given by the developers for the incident and change management.
• Troubleshooting the DB for production issues

## SKILLS

✓ Programming Languages:  R,Python,HTML5,XML,Django ,Java ,Core Java, flask
✓ Database:  MYSQL, Oracle DBA,MSSQL
✓ Tools: TABLEAU, Minitab, Power BI, GGplot
✓ Framework: Flask, Django
✓ Machine learning : Scikit-learn
✓ Scientific Computing: Numpy
✓ Data Analysis: Pandas
✓ Visualization: Matplotlib, Seaborn
✓ Big Data: Hive , PySpark ,Hadoop
✓ Cloud: AWS
✓ WorkSpace: Anaconda
✓ Notebook: Jupyter
✓ Database Language: SQL
✓ Version control: SVN,GitHub,Mercurial
✓ Server: Apache Tomcat
✓ OS-Env: Windows 7/8/10, UNIX/LINUX, Mac
✓ IDE: Jupyter Notebook, Spyder, Rstudio,  AWS ML, Azure MLML Studio, Eclipse, IDLE Python, Anaconda, Git, SVN
✓ Others tools : MS Word, MS Excel, WinSCP,Putty

## CERTIFICATIONS

DATA Science Certification from IBM, ExcelR.

Oracle Database OCA & OCP Certification 12C

## EDUCATION

### BACHELOR OF ENGINEERING/2012

Nagpur University
SPECIALIZATION IN COMPUTER SCIENCE & ENGINEERING

## AWARDS & RECOGNITIONS

EXCELLENCE awards-

Best Data Science

Solution, Employee

## PERSONAL DETAILS

Date of Birth:15-may-1990
Passport Number:L2914154
Expiry Date: 12/08/2013 to 13/08/2023.
Languages Known: English, Arabic, Hindi, Urdu

## SUMMARY

- Experience in entire data science life cycle, i.e.,sourcerce =>clean=>explore=>communicate.
- Experience in Data analysis, Data preparation, Dataata manipulations, Data Exploration & Visualization using Pandas and Numpy, Matplotlib, Seaborn.
- Experience in Natural Language Processing, Text Preprocessing, and Feature Engineering on text data, Text Classification, relationship extraction, sentiment analysis, topic segmentation.
- Exposure to Deep learning using Tensor Flow.
- Experience in Continuous build deployment and integration through Django.
- Collaborate with a cross-functional team including data scientists and software engineers.
- Experience in Oracle, MYSQL, and MS ACCESS databases. Hands on with PL/SQL Queries, Procedures, functions and Views.
- Experience working extensively on Windows and UNIX environments.
- Experience in Model analysis, Model training, Model evaluation, improving model performance using Scikit learn framework of Machine learning.
- Experience in Supervised and unsupervised learning.
- Experience in developing models based on Machine learning techniques and algorithms. Such as k-NN, Naïve Bayes, DecisionTrees, RandomForests, regressions, Logistic Regressions, PCA,SVM,Clustering, Dimensionality Reduction ion Algorithms.
- Experience in building models for Segmentation, Clustering, Classification, Regression, and Recommender systems.
- Experience in working with **Domain in E-Commerce, Finance, Banking, Telecom, Aviation and HealthCare** data.
- Strong experience in converting unstructured data into structured and workable datasets.
- Strong background in Machine Learning Algorithms like Decision Tree, Classification (Random Forests, k-NN and Naïve Bayes, SVM) time series forecasting and neural network.