Mohammed Azam Sayeed

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Junior data scientist/Entry level data scientist

Working Actively to Transition into Data science and analytics career path, To foster and enriching skillset for data sciences, want to dedicatedly contribute to the field of data sciences, to solve multidisciplinary real-world business problems by utilizing the State of Art Machine Learning, Image processing, Sentiment Analysis and Artificial intelligence technologies, analytical mindset and generating data insights to improve business and humanity. Looking forward to opportunities for applying the acquired gamut of skills and also enhance skillset to a challenging role in the data analytics space and contribute actively in the Research domain through data analytics perspective.

KEY SKILLS

• Data & Quantitative Analysis • Data Science • Predictive/Statistical Modelling • Data Mining
• Data Visualisation • Machine Learning Algorithms • Business Intelligence • Data Wrangling • Image Processing
• Sentiment Analysis • Web scraping • Fundamentals of Deep learning • Creative writing skills • Research skills
• Presentation skills • Programming skills • Technical writing skills • Python

TECHNICAL SKILLS

- **Packages:** Scikit-Learn, Numpy, Scipy, Pandas, NLP (Sentiment Analysis), BeautifulSoup (web scraping), Statsmodels, Keras from Tensorflow (CNN model)
- **Image Processing libraries:** skimage, OpenCV
- **Data Visualization Libraries**: Matplotlib, seaborn, plotly
- **Statistics/Machine Learning:** Statistical Analysis, Linear/Logistic Regression, Decision Tree, Naive Bayes, Ensemble Methods, Random Forest, Gradient, AdaBoost, XGBoost, KNN, SVM, K Means, Association Rule Mining, Dimensionality Reduction, ARIMA time series model, Neural Networks, ANN, CNN, Parameter Tuning
- Database Management Systems Concepts and SQL
- **Tools**: Log4j, Maven, Oracle WebLogic Server, Tortoise SVN, JIRA, Jenkins Continous Integration, Karate testing Framework, Unix, MySQL
- **Python**, Core Java, Spring, Java Rest Services
- Experience with Matlab image processing, Cisco Packet Tracer
- Communication skills, Presentation skills, Creative Writing, and Researching skills

PROFESSIONAL EXPERIENCE

NETCRACKER PVT LTD, BENGALURU

SOFTWARE ENGINEER (JAVA based) Bengaluru, IN | Aug '16 - Present

PRESENT PROJECT: Telus Falcon GreenField (Telecom)

Telus is Canada's fastest-growing national telecommunications company with 13.9 million customer connections, TELUS provides a wide range of communications products and services, including wireless, data, Internet protocol (IP), voice, television, entertainment, and video, and is Canada's largest healthcare IT provider. Netcracker offers a range of business functionality to Telus Communication Falcon project to ensure seamless delivery of various Internet, Voice, TV , smart IoT systems services and promotions to cater and engage with Canada telecom

Areas of responsibility

- Dedicated BE Java Resource for the development of multiple CRs for successive releases deliveries per month and contributed heavily to the regressive fixing.
- Handling Netcracker Implementation of Telecom Domain Concepts like Order Processing Framework, Order management, Life Cycle Management, Product Offering Catalogue, Sales Order Management inclusive of BPI and OI, requirement delivery, and issue assessments, and necessary changes.
- During Increase in workload, Provided support to Telus TAFT project as roles similar to Business Analysts such as Analyzing requirement, proposed implementation, Validation documents for Client, Test cases drafting and proper design documentation for Telecom Business catered technology namely POC dealing with Offerings, offering structure,

characteristics, Order structure rules, promotions and promotion rules, Decomposition Rules, product specification, interaction, etc. And in Roles as system engineer by Contributing to Maintaining Retrofit changes of branches to sync with CR changes from Telus side to Netcracker CR deliveries.

Key Achievements

- Received "You've made the Difference" award from NetCracker for Duration July 2018 to Sept 2018 for ensuring delivery of TAFT related work, E2E, and BVT Root cause assessments of defects and corresponding bug fixing.
- Received "You've made the Difference" award from NetCracker for Duration July 2019 to Oct 2019 for Ensuring all the high priority defects and dev tasks were closed within due dates and made sure the overall quality of delivery was maintained.

EDUCATION

School of Engineering and Technology, Jain University

Bachelors in Computer Science Engineering Bengaluru, IN | Jul '12 - Jun '16

Batch of 2012 -2016

- **CGPA: 9.314/ 10 (1st Rank)**

ACADEMIC PROJECT: Estimation of Nitrogen Content in Rice Leaves and Weed Detection in Crop Row
Internship (8th Sem): NETCRACKER Technologies

- **Best Outgoing Student** for 2016 CSE batch
- Awarded **Gold Medalist** as valedictorian of batch
- Awarded **Best Final year Project and best Final Year Technical Seminar** of 2016 batch
- Won First place in Inter college Android development Competition and team inter-college programming events for Web designing, cisco packet tracer, and DBMS designing.
- Won various Oratory style Competitions like debates, public presentation, impromptu, etc.

CERTIFICATIONS/ ARTICLES

Python for Data Science Professional | Edureka
with Grade A, Certificate ID: BMBCBHZQ
Final Capstone Project 1: PHARMA - Classify plant leaves by various classifiers from different metrics of the leave and chose the best classifier for future reference.
Final Capstone Project 2: FMCG- Decide Countries whose export of food grains is low in comparison to countries performing well using supervised learning techniques like Kmeans, Hierarchical clustering with PCA.
Final Capstone Project 3: Social Media - Classify if the article will be shared based on features of Mashable collected data of articles using Feature Scaling, Feature importance using Gradient Boosting.

Python for Data Science Training Course to achieve professional excellence | Intellipaat
Certificate ID: 31679-120153-63754
Final Capstone Project 1: TELECOM- Customer Churn - Predict customer attrition for a telecom domain company.
Final Capstone Project 2: Real Estate - Python web scrapping data collection and linear regression for house price prediction
Final Capstone Project 3: Concept- Basic PYSPARK theoretical concepts

Data Science Training |Internshalla Certification designed by Analytics Vidhya
Certificate ID: 7C783E5A-E49D-D379-D442-29A572BFED01 , with 95% score
Machine Learning Training |Internshalla Certification designed by Analytics Vidhya
Certificate ID: 02963437-81A7-0291-4EAB-CC5F19A17B40 , with 93% score
Final Capstone Project: Real Estate - Exploratory Data Analysis on the Chennai House Pricing Dataset.

Articles on Medium:
https://medium.com/@azamsayeed123
Medium article's gist git Link: https://gist.github.com/MohdAzamSayeed
Published a few articles on the Analytics Vidhya Medium publication platform for data science as Writer.

PROJECTS/ PUBLICATIONS

1) **Analysis of Urine Samples to Classify as Hydrated or Dehydrated using Image Processing and XGboost Model**
Keywords: Hydrated, Dehydrated urine levels,skimage, colorspaces, Image segmentation, Feature extraction, xgsboost model
- DOI /Link : http://doi.org/10.22214/ijraset.2020.1053

2) **Association Rule Mining of Inactive Ingredients in Drugs**
Keywords: Association Rule Mining, reduce Inactive ingredients in medicine formulation,python.
- DOI /Link : http://doi.org/10.22214/ijraset.2020.1068

3) **Detecting Malaria from Segmented Cell Images of Thin Blood Smear Dataset using Keras from Tensorflow**
Keywords: Tensorflow convolution neural network, malaria, Paratized, Uninfected,Kaggle,python
- DOI /Link : http://doi.org/10.22214/ijraset.2020.1109

4) **Determining Suitable Conditions required for Finger Millets Seeds Germination using Decision Tree Algorithm**
Keywords: Decision Tree, Feature Importance, Sensor data,python
- DOI /Link : http://doi.org/10.22214/ijraset.2020.2009

5) **Estimation of Iron using Multiple Linear Regression Models**
Keywords: Multiple Linear regression, Feature extraction, feature selection, Iron, colorimeter,python
- DOI /Link : http://doi.org/10.22214/ijraset.2020.2113

6) **Detecting Crows on Sowed Crop Fields using Simplistic Image processing Techniques by Open CV in comparison with TensorFlow Image Detection API**
Keywords: Open CV, color-based segmentation, morphological operation, Tensorflow object detection pre-trained coco model
- DOI /Link : http://doi.org/10.22214/ijraset.2020.3014

7) **Understanding Viewers Sentiment on Skin Whitening Glutathione Product Review using YouTube Comments**
Keywords: Sentiment analysis, selenium, textblob, data visualization, custom classifiers, Naïve bayes classifier,python
- DOI /Link: http://doi.org/10.22214/ijraset.2020.3066

8) **Tracking the Spread of COVID-19 Cases in India using Data Visualizing and Forecasting Techniques**
Keywords: Plotly, matplotlib, Corona virus, India, holt winter, fbprophet, ARIMA models, Data visualization, Web Scraping
- DOI / Link: http://doi.org/10.22214/ijraset.2020.5076

9) **Accelerated Diagnosis and Reporting of Patients using Analysis of Bulk Chest X-ray Images to Aid Impacted Healthcare System during Covid19**
Keywords: Kmeans, PCA, Pickle, Bulk reporting, SVM, CNN, Tensorflow,kaggle,python
- DOI /Link: http://doi.org/10.22214/ijraset.2020.5168

Existing Publication during Undergraduate Studies:

1) **Detection of Weeds in a Crop Row Using Image Processing (Matlab, 2016)**
Link: https://www.researchgate.net/publication/339416227_Detection_of_Weeds_in_a_Crop_Row_Using_Image_Processing

2) **Estimation of Nitrogen in Rice Plant Using Image Processing and Artificial Neural Networks (Matlab, 2016)**
Link:https://www.researchgate.net/publication/339416174_Estimation_of_Nitrogen_in_Rice_Plant_Using_Image_Processing_and_Artificial_Neural_Networks

3) **Techinal Seminar : Brain Computer Interface controlled wheel Chair the Next Generation User Interface assisted by ANN**
Link:https://www.researchgate.net/publication/341344994_BRAIN_COMPUTERINTER_FACE_CONTROLLED_WHEELCHAIR_THE_NEXT_GENERATION_USER_INTERFACE
- Won best Technical Seminar presentation for 2016 CSE batch

4) **National Conference: Image Procesing Based Methodologies for Precision Agriculture (2017)**
- Presented conference paper in National Conference - JNANA CHILUME -2017 on 25th March 2017 in Recent Advances in Computer Sciences & Information Technology (RACSIT-17)
- Won the Best Paper Presentation Award in RACSIT-17