

MAHMOOD GHOURI



Available for Relocation |



Immunized with Approved Vaccine |



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*Offering a dynamic career in applying quantitative skills to build **Data Science Solutions** with an organization of high repute*

Soft Skills



Academic Details

- ❖ **2019: Bachelor of Engineering (Computer Science Engineering)** from Osmania University, Hyderabad.

Certifications:

- ❖ **Certified in:**
 - o Natural language Processing (NLP) Specialization from DeepLearning.ai
 - o Deep Learning Specialization from DeepLearning.ai
 - o Machine Learning from Stanford University

Summary:

- ❖ Data scientist with **2+ years** of hands-on experience, presently working in **AI-Robotics Automation Team** for the **World's largest Islamic Bank (Al- Rajhi, Riyadh (KSA))**.
- ❖ Experience in **Banking** domain.
- ❖ Proficient in understanding of **Machine Learning Life Cycle** – Business Understanding, Data collection, Data preparation (cleaning, exploring, feature engineering, feature selection), model training.
- ❖ Excellence in working on **Machine Learning, Deep Learning, Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), NLP, BERT, Transformers, Object Detections, sentiment analysis, TensorFlow, Keras**.
- ❖ Having hands-on experience in **AWS Services** such as **EC2, VPC, S3, Glacier, IAM, Cloud Watch, EFS, Elastic Load Balancer, Auto Scaling, AWS CLI, Cloud Front, and Route53**.
- ❖ Experience in identifying patterns and extracting valuable insights for key stakeholders and organizational leadership via data analytics and advanced data-driven methods.
- ❖ **Talented Analyst** with exceptional background in utilizing data from diverse information systems to build tools and forecasting models that remarkably improve organizational decision-making capabilities.
- ❖ Exposure of **Data Science practice**; analyzing problems and uncovering opportunities using **predictive analysis**
- ❖ **Mined & analyzed data** from multiple sources to drive improvement and delivered data-driven solutions to resolve business challenges
- ❖ **Front-led projects** entailing Data Pre-Processing, Feature Selection, Model Selection, Training, Testing and deployments
- ❖ Ensure delivery of the project as per timelines.
- ❖ Resolving team's queries & answering questions that help them build the best products and developing best practices in **data science & user experience community**.



Core Competencies

Data Science/ Modelling



Data Analysis & Management



Project Execution & Excellence



Solution Design & Development



Data Visualization



Client Relationship Management



Machine/ Deep Learning



Requirement Gathering & Analysis



Team Management



Professional Experience

 **Aug'19 – Oct'21** **AricsCooper**
 **Aug'19 – Oct'21** **Zyclyx Consulting Pvt. Ltd.**

 **Riyadh, KSA**
 **Hyderabad, IND**



Data Scientist

Projects Undertaken:

Title: iTEQ OCR

Title: Al Rajhi Bank (ARB) Mortgage - Document Verification System

Title: SME - POS

EXPERIENCE:

- ❖ Implementing Deep Learning algorithms like **CNN, RNN, LSTM, Bi-LSTM** etc.,
- ❖ Image/ Video capturing, saving, and reading using **OpenCV**. Image pre-processing techniques such as **Thresholding, Smoothing, Morphological Transformations, Edge detections, Contours, Histograms, Hough line, Template Matching, Image Rotations based on text** etc.,
- ❖ Analyses un-structured **Text** data using **Natural Language Processing (NLP)**.
- ❖ Text pre-processing and normalization techniques, such as **Tokenization, Stemming, Lemmatization, Named Entity Recognition (NER), POS tagging, TF-IDF, Word2Vec, Word-embeddings, Glove, Doc2Vec** etc.,
- ❖ Extracting Text information from PDFs, Images and handwritten content in PDFs using OCR techniques with the help of **PIL, PyTesseract, easyOCR** and **Wand** libraries.
- ❖ Analyzing and applying **Algorithms**: Regression, Classification depending on the problem (**Regression, Decision Trees, KNN, SVM, Naive Bayes, XGBoost**).
- ❖ Good working knowledge in **IDEs (PyCharm, Spyder, Jupyter Notebook)**.
- ❖ Performing **Model Validation, Optimization Techniques (Hyper-parameter Tuning** etc.,) to increase the **accuracy** of the results.
- ❖ Experience with analytical programming language, tools, and libraries (using **Python**).
- ❖ Deployment tools and Web frameworks: **Flask, Falcon** and **Gunicorn**.
- ❖ Experience in working with **AWS** services like **EC2 Instances**.
- ❖ Collaborates and communicates with project team regarding project progress.
- ❖ Complete the assigned tasks as per **Agile** Methodology. Working experience in **SCRUM** framework.
- ❖ Worked on face net library which uses a pre-trained MTCNN (Multi-task Cascaded Convolution Networks) to detect faces
- ❖ Familiar with **Siamese** neural Network- **One shot learning** algorithm which has the objective to find how similar two comparable things are
- ❖ Designed real-time object detection using **YOLO, SSD, Faster RCNN**. Implemented counting algorithm to track objects.
- ❖ Implemented **Scanned document classifier** using **NLP** and **Deep Neural Network**.
- ❖ Worked on a dataset of annotated scanned image data includes different types of noise and skewed images
- ❖ Worked on Feature extraction using python open-source libraries **Tensor Flow, Keras, NumPy** and **classification** using neural networks.
- ❖ Suggested new practices for **enhancements** of software development quality.

IT Skills

- ❖ RPA: Blue Prism
- ❖ DevOps: Git, chef, puppet, docker, Kubernetes, Jenkins.
- ❖ Programming Languages: Python, Java, C++, C
- ❖ OS: Ubuntu and Windows
- ❖ Web Technologies – Html, bootstrap, JavaScript, SQL.

Personal Details

Current Location: Hyderabad, India.
Ready to Relocate.
Languages Known: English, Hindi.

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