Mohammed Rajihuzzaman

Data Scientist - Nityo Infotech Services PTE LTD
Singapore
- Email me on Indeed: http://www.indeed.com/r/Mohammed-Rajihuzzaman/489ccd50969bf0a7

Accomplished Data Scientist with a passion for delivering valuable data through analytical functions and data retrieval methods. Committed to helping companies advance by helping them to develop strategic plans based on predictive modeling and findings. Bringing forth a proven track record of analyzing complex data sets and serving as a strong advisor.

Work Experience

Data Scientist

Nityo Infotech Services PTE LTD
October 2018 to Present

Analyzing data sets and helped companies make decisions based on findings.
◦ Serving as a thoughtful advisor
◦ Utilized algorithmic and programming tools to build helpful predictive models.
◦ Build and test different machine learning model for defect prediction (MEP) in wafer industry using Binary classification model (Python).
◦ Voting, Stacking, Bagging Ensemble model developed to increase the model accuracy.
◦ Caustic Soda Price prediction-Time series model(ARIMA model) (R-Studio).
◦ Deployed the Machine learning models in production using API-Python on real time data for future prediction
◦ Performed exploratory data analysis and discovered notable relationships.
◦ Tracked performance and identified business improvement trends.
◦ Providing Tableau training to Internal staff for data visualization and report building.

Business Intelligence Consultant

Accelteam Sdn Bhd - Kuala lumpur, MY
September 2017 to September 2018

Involved in the installation and configuration of Big Data Platform/ solutions (eg; MapR, Hadoop, Spark and NoSQL databases) environments.
◦ Administrating and configuring Cluster; Securing a Hadoop Cluster with Kerberos.
◦ Performed data ingestion, data store and data streaming activities for extremely large datasets.
◦ Assisted in the research and development of Big Data Use cases.
◦ Assisted in building and testing prototype units.
◦ Developed programs in Hadoop using Python programming languages.
◦ Ingested Data from External Sources with Flume; Sqoop; REST Interfaces.
◦ Conducted structured gathering, research and analysis.
◦ Developed and evaluated procedures, controls, user requirements and functional specifications to identify gaps between current state and future state.
◦ Created business requirement documents (BRD's) into use cases/functional specifications for customization.
◦ Developed applications to extract data from multiple websites using python WebScraping

Lecturer and Project Supervisor, MMU, Melaka, Malaysia
PHARMACOPHORE METHOD IN DRUG DISCOVERY
July 2013 to September 2017

Involved in Lecture.
◦ Project Supervision:
• 1. COMPUTATIONAL STUDY OF ALZHEIMER'S DISEASE
• 2. MOLECULAR DYNAMICS SIMULATION STUDIES ON ALZHEIMER'S DISEASE
• 3. PHARMACOPHORE METHOD IN DRUG DISCOVERY
• 4. WEB BASED METHOD FOR STAFF MANAGEMENT SYSTEM IN C# PLATFORM UUSING ASP.NET
• 5. DETECTING DISEASE IN INDIVIDUAL BY DATA MININIG APPROACH
• 6. DEVELOPING TOOL TO DO IN-SILLICO ANALYSIS OF SMALL COMPOUNDS
• 7. DEVELOPING BIOINFORMATIC TOOLS TO CALCULATE MOLECULAR WEIGHT FOR SMALL LIGANDS
• 8. DEVELOPING FILE CONVERSION TOOLS FOR DRUG/LIGAND INHOUSE DATABSE.
• 9. PHARMACOPHORE MODELING OF BACE- 1 INHIBIOTRS
• 10. RNA-SEQ DATA ANALYSIS AND ABIOTIC STRESS
• 11. BIOINFORMATICS ANALYSIS OF BACE1 PROTEIN IN ALZHEIMER'S DISEASE
• 12. BIOINFORMATICS ANALYSIS OF ALZHEIMER'S DISEASE USING TEXT MINING APPROACH
• 13. BIOINFORMATICS ANALYSIS OF ALZHEIMER'S DISEASE RISK FACTORS IN IMMUNE SYSTEM.
• 14. BIOINFORMATICS ANALYSIS OF ALZHEIMER'S DISEASE RISK FACTORS IN ENDOCYTOSIS
• 15. PHONE TRACKING SYSTEM
• 16. ADVANCED FOOD ORDERING SYSTEM
• 17. COMPUTATIONAL PREDICTION OF PROTEIN-PROTEIN INTERACTIONS INVOLVED IN NEURODEGENERATIVE DISEASE
• 18. STRESS CLASSIFICATION USING A NEURO-FUZZY CLASSIFIER.
• 19. ANDROID APP - MYHEALTH
◦ Member of the Industrial training committee
◦ Member of the Students Affairs and Alumni committee

Research Officer

UiTM
November 2010 to June 2013

Computer Aided Drug Discovery.
◦ Worked on Natural compound to find the potential inhibitor for Brain disease.

Lecturer

IMU - Kuala Lumpur, MY
August 2009 to July 2010

Involved in Lecture
◦ Project Supervision

Bioinformatics Consultant

GeneFlux Biosciences Pvt Ltd
April 2008 to March 2009

Developed some compound structure to be the potential drug
◦ Worked on AutoDock to design the model
◦ Worked on Homology modeling to find the 3D structure of Protein.

Education

Master of Science in Bioinformatics
University of Madras
2005 to 2008

Bachelor of Science in Biotechnology
Bangalore University
2001 to 2004

Skills

PYTHON (1 year), DATA VISUALIZATION (Less than 1 year), MACHINE LEARNING (Less than 1 year), VISUALIZATION (Less than 1 year), APACHE HBASE (Less than 1 year)

Additional Information

SKILLS
❖ Programming
◦ Python Experienced
◦ R Experienced
◦ BioPython Experienced
◦ C Experienced
◦ C++ Experienced
◦ Matlab Experienced

❖ Database
◦ MySQL Experienced
◦ SQL Developer Experienced
◦ MSSQL Server Experienced

❖ Bigdata Platform
◦ Hive Experienced
◦ Hbase Experienced
◦ AWS Experienced
◦ Docker Experienced
◦ Spark Experienced

❖ Data Preparation
◦ Alteryx Experienced
◦ Tableau Prep Experienced

❖ Data Visualization
◦ Tableau Experienced
◦ PowerBI Experienced

❖ Machine Learning
◦ Classification Experienced
◦ Regression Experienced
◦ Unsupervised Experienced
◦ NLP Experienced

❖ Deep Learning
◦ TensorFlow Experienced
◦ Keras Experienced
◦ AWS-Sage Experienced

❖ Operating System
◦ Linux/UNIX Experienced
◦ Windows 10 Experienced