

Azhar Ahmed Mohammed

Objective

To secure a position in which I can utilize my analytical and machine learning skills to solve real world problems.

Education

- 2013 Aug - 2015 Jun **Master of Science in Computing and Information Systems (CIS)**, *Masdar Institute of Science and Technology*, Abu Dhabi, GPA:4.0 .
Specialization : Machine Learning
Thesis : Probabilistic Forecasting of Solar Power: an Ensemble Learning Approach
Major Courses : Data Mining, Design and Analysis of Algorithms, Machine Learning
- 2007 Aug - 2011 May **Bachelor of Engineering in Computer Science and Engineering**, *Chaitanya Bharathi Institute of Technology*, Hyderabad, Percentage : 80.

Relevant Experience

- 2013 Aug - 2015 Jun **Research Assistant**, *Masdar Institute of Science and Technology*.
Python's Scikit learn module was used to generate forecasts.
The findings were accepted for publication at the seventh international conference on Intelligent Decision Technologies.
- 2014 May - 2014 Aug **Intern**, *Serendio Inc.*, Chennai.
Built an end to end recommendation engine on Bigdata platform.
Cassandra, Spark, Scala, Python were used during its implementation

Technical Skills

- **Machine Learning Tools**
 - Scikit-Learn, Scipy, WEKA, MLlib - Spark
- **Languages**
 - Proficient: Python
 - Intermediate : R, MATLAB
 - Beginner : COBOL, Java, Android Application Development, HTML, PHP, Scala
- **Operating Systems**
 - Windows, Linux, Mainframe operating system: z/OS
- **Database Systems**
 - Cassandra, Hive, MySQL, IBM DB2

Data Science and Coding Competitions

- Finished 18th out of 1233 **Africa Soil Property Prediction Challenge**, <https://www.kaggle.com/c/afsis-soil-properties>.
- Finished 10th out of 25 **Global Energy Forecasting Competition 2014 Probabilistic Solar Power Forecasting**, <https://crowdanalytix.com/contests/global-energy-forecasting-competition-2014-probabilistic-solar-power-forecasting> .
- Ranked 320 out of 1720 **IEEEExtreme 8.0 24-Hour Programming Competition**, *Finished first in UAE* .

Publications

- [1] AzharAhmed Mohammed, Waheeb Yaqub, and Zeyar Aung. Probabilistic forecasting of solar power: An ensemble learning approach. In *Intelligent Decision Technologies*, volume 39 of *Smart Innovation, Systems and Technologies*, pages 449–458. Springer International Publishing, 2015.
- [2] Waheeb Yaqub, AzharAhmed Mohammed, and Zeyar Aung. Empirical study of probability and severity of an event

on human communication network. In *UKSIM-AMSS 17th International Conference on Modelling and Simulation*. IEEE Computer Society, 2015.