Nandi Hills, Wanaparthy
509103 Telangana
India
+91 9985210551
amohammed3339@gmail.com

# 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 seventn 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, MLib - 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 $18^{th}$ out of 1233 — **Africa Soil Property Prediction Challenge**, *https://www.kaggle.com/c/afsis-soil-properties*.

Finished $10^{th}$ 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 — **IEEEXtreme 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.