Rehan Asif
Data Scientist , Personagraph
**B.Tech, IIT Guwahati**

Phone Number:- 7259985090
Email:- rehan.asif@outlook.com
DOB: 30th December,1990
Current Company: REConnect Energy
Current Designation: Analyst(R&D)

Flat #G7,Richfield Apartment
Opposite Kalamandir Showroom
Marathahalli Bridge,
Bangalore-560037

## Objective

To obtain a job as a Data Scientist/Machine Learning with new verticals to work on.

## Skills

- **Machine Learning methods** *ANN, SVM, Decision Trees, Logistic Regression,Clustering.*
- **Statistics** and its applications.
- **TimeSeries** Methods and Analysis.
- **Pattern recognition and Predictive Analysis**
- **Recommendation System**
- Very keen in learning new methods of Statistical Analysis.
- Languages: **Python**.
- Machine Learning Libraries : **Scikit-Learn , FORECAST**.
- **SQL** and its deployment with python.
- Experienced with Linux and Windows OS environment for development
- Experience in working in a startup independently and developed a new business vertical for my company REConnect Energy.

## Project

**Yield Optimization for Publisher (Company: Personagraph)**

- Worked on increasing revenue and fill rate for the publisher

**Sentiment Analysis of movie reviews (Kaggle: Competition)**

**CTR prediction**

- Used ensemble of machine learning methods for CTR prediction

**Wind Power Forecasting Model** **2013 - 2014**

- Developed the Wind Power Forecasting Model using Machine Learning methods like Neural Network, SVM.
- Deployed it over 30 wind farms(~1GW) giving competition to European companies in this field.
- Worked using Python and its libraries like ffnet, scikit-learn e.t.c
- Algorithms used here were Regression, ANN, Classification.
- Deployed methods involving Wind speed short-term forecasting using timeseries ARIMA model .

**Automation of Reports** **2013 - 2014**

- Developed the Analysis report to compare the actual generation of wind farm and the forecast produced
- SCADA(actual power generated) and other real time wind turbine data was stored in to MySQL database
- Used python to auto-generate Word and Excel files with complete comparison containing graphs, piecharts and histograms.
- Libraries used pywin32,xlrd,xlwt e.t.c.

- Automating all the emails and deployment of all the Codes on Amazon AWS
- Interfacing Excel with python and calling R functions from python using library Pyper.

**Solar Roof Top Application**

**Ongoing**

- Classification of rooftops to obtain the Solar potential of each roof.
- Used images from Bing and Google Map.
- Used K-means clustering methods to segment the roof from other surfaces based on its pixel value.

### Nano-Optics Research Laboratory, KOC University, Istanbul, Turkey 2011

- Lasing microdroplets suspended in low refractive index liquid. Superhydrophobic suraface was created to provide the anchors for the microdroplets. It have the potential to be used to detect chemical and biological presence in the liquid.

## Education

**INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI**
2009-2013

- B. Tech, Engineering Physics.

**DAV KapilDev, Ranchi**
2007-2009

- Class 12th

### Notre Dame Academy, Munger
2007

- Class 10th

## Extracurricular activities

- Placement Representative, IIT Guwahati (2012-2013).
- Alcheringa ,Cultural festival, IIT Guwahati.
- Sports Captain, Notre Dame Academy.