

# ZAWAR KHAN

## Personal Details:

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Portfolio: <https://zawar92.github.io/zawar-portfolio/>

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## Career Objective and Field of Interest

Explore and work on new researches, development and work on new business, financial services innovations and to devise solutions for existing and future problems in the field.

## Academic qualifications

- BS Computer Science  
NUCES-FAST 2012- 2016
- Intermediate Pre-Engineering  
DHA College 2010- 2012
- Olevel's from:  
BeaconHouse School System 2010

## Final Year Project:

### CUSTOMER BASED ROUTING THROUGH VOICE ANALYSIS (FYP)

Call center solution.

Customer call routing based on human mood.

Using: Python, Linux, Theano, Caffe, Keras,  
Django Research as well as Product.

## Certifications:

- Improving Deep Neural Network: Hyper parameter tuning, Regularization and optimization - **DeepLearning.ai**
- Convolution Neural Networks - **DeepLearning.ai**
- Structuring Machine Learning Projects - **DeepLearning.ai**
- Neural Networks and Deep Learning - **DeepLearning.ai**
- Data Scientist with Python Track - **Data camp.**
- Data Analyst with Python Track - **Data camp.**
- Python Developer Track - **Data camp.**

➤ More Certifications can be found on my **LinkedIn** account.

## Tools and Technologies:

Python, R, C++, ASP.NET, JAVA.

Django, Flask, AWS (PostgreSQL, Elastic Beanstalk, VPC), Cassandra, Mongo DB, PYQT, SQL, Git.

## [2016/MARCH - Present]

- **"Inbox" in Department of Data Intelligence Hub:** Working in Field of Data Science and Machine Learning.  
**Responsibilities:**
  1. **Energy Sector Project providing Energy Solution.**
  2. **Intelligent Crime System:** Automatic Number Plate Recognition system and Object Detection module in.
  3. **Facial recognition:** Building prediction System and integrating using "Dahua camera SDK".
  4. **AWS:** Elastic Beanstalk, VPC, PostgreSQL.
  5. Performing **Statistical Analysis** on data.
  6. **Predix Environment.**
  7. **Django and Flask:** web development.
  8. **Data science:** toolkits such as R, Weka, Numpy, Pandas, Scikit-learn.
  9. **Data Collection:** Enhancing procedures.
  10. Building and Optimizing classifier for predictions.
  11. Collecting, Processing, Cleansing and Normalizing data.
  12. **Anomaly detection system:** Tracking the performance of plants.

## Previous Experience:

- **Junior Developer at "Mantrust Global". [7months]**
  1. Implemented multiple user stylus annotations in real-time using "PDF-Tron API" and "One Drive developer's API."
  2. Securing Database using "Asymmetric Encryption using Asymmetric Key and Password."
  3. Implementing client requirements using Agile development frameworks.
  4. Code, Debug, code quality check.