

# Mithilesh kumar

Deep Learning & AI Architecture. IBM Watson Data Scientist.

[m.econdse@gmail.com](mailto:m.econdse@gmail.com)

+919176272559 Chennai, India

## EXPERIENCE:

### Machine Learning Engineer

- Use machine learning and statistical modeling techniques to develop and evaluate algorithms to improve performance, quality, data management and accuracy
- Educational background in relevant field (Computer Science, Applied Math, Statistics, Operations Research, Physics, Computational Biology, or other quantitative fields)
- Develop, simulate, test, and improve algorithms for predicting electrical load and generation
- Build highly parallelized, big data, machine-learning applications in the cloud.
- Long Short-Term Memory Recurrent Neural Networks (LSTM RNNs) learnt using Deep Learning techniques applied to Problem X (ask for details)
- Predicting high-dimensional time-series data
- Experience with varied forms of practical data, including Image, Speech, Text, Video, Motion-capture & other high-dimensional data

## SKILLS:

- Work in a DevOps environment managing purpose-built, highly available, distributed, scalable cloud service
- Ability to work on data mining , data science projects with application engineering, quality engineers and product management
- 2+ years' experience developing highly scalable machine learning/deep learning based applications and services
- Proficiency in Matlab, Python, R, Java, SQL, TensorFlow, keras, Theano, Cloud computing, Hadoop, Scala, Spark
- Solid understanding of mathematical foundations behind Machine Learning algorithms, and comfortable with discussing them in details
- Strong understanding and background in probability theory, random process, statistics, and optimization techniques
- Solid knowledge of linear algebra and convex optimization techniques
- Fluent in English, Italian, French

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## **EDUCATION:**

### **Recent:**

1. IBM Watson Advanced Data Science Specialization.
2. Yandex Big Data Engineering Specialization.
3. Stanford Data Mining Specialization.
4. Andrew Ng's Deep Learning Specialization.
5. Geoffrey Hinton's Neural Network and Machine Learning.
6. Microsoft Professional Program in Artificial Intelligence.
7. Microsoft Professional Program in Big Data.
8. Data Engineering on Google Cloud Platform Specialization.
9. Microsoft Professional Program in Data Science.
10. Micromaster Edx Artificial Intelligence.

### **Past:**

1. Graduated in Mathematics 2016.
2. MA Development Studies IIT Madras.
3. Mathematical Olympiad Topper.
4. Financial engineering and risk management

### **Accomplishments:**

Topcoder, Hackerrank, Hackerearth, Codalab, Numaera, Quantopian, Kaggle Competitions and algorithmic challenges

**Work Experience:** Sapient India (2014 to present)

**GitHub:** <https://github.com/econyale>

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