

# Gurubux Singh Gill

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🔗 [Linked-In](#)

🔗 [GitHub](#)

🔗 [Stackoverflow](#)

## Skills

Python ★★★★★

Java ★★★★★

SQL ★★★★★☆

Liferay DXP ★★★★★☆

Machine Learning &  
Deep Learning  
libraries (Tensorflow /Keras) ★★★★★☆

Data Analysis ★★★★★☆

Data Visualization ★★★★★☆

## Tools/IDE/Libraries

Jupyter Notebook, GoogleColab

Spyder, PyCharm

GitSvn, GitHub Desktop

Bokeh, Plotly

Numpy, Pandas, Scipy, matplotlib,  
sklearn

## Certifications

**MTA: Introduction to Python Programming**  
Microsoft - Jan 2019

**Data Scientist with Python**  
DataCamp - Mar 2019

**Deep Learning Specialization**  
deeplearning.ai - Aug 2019

**IBM Data Science Professional Certificate**  
Coursera - Aug 2019

## Professional Summary

Multi-faceted Senior Software Developer with 3 years of experience in Java, JavaScript, SQL and Liferay. **Microsoft Certified in Python** with relevant knowledge in Machine-learning, Deep-learning, Data pre-processing, Analysis and Visualization tools and frameworks. Motivated in applying cutting edge tools in current data overloaded digital world to facilitate business insights, research and build models and make a worthwhile impact in the society.

## Education

**B.E in Computer Engineering**  
St. Francis Institute of Technology  
June 2015

**Diploma in Computer Engineering**  
Sardar Vallabhbhai Patel Polytechnic  
June 2012

## Work Experience

**Senior Software Developer**  
LA Technologies pvt ltd

Jul. 2018 – Jan. 2019

- Deployed at a Client site: **Adani Power**(prev Reliance Power) to assist in developing new Web portal for the team from portlets, hooks, web-services, payment gateway.
- Was an integral part of the website migration from Reliance to Adani-Electricity
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns.
- Monitored ongoing operation of assigned programs and responded to problems by diagnosing and correcting logic and coding errors.

**Consultant**  
Mindcraft Software pvt ltd.

Feb 2015 – Jun. 2018

- Developing portlets on the Liferay Framework for the in-house portal **LoopIn**, external portal and handling the changes by end users, adding functionalities in the Out of the box Liferay Framework.
- Collaborated with designers, developers and performance testers to enhance features and identify performance bottlenecks couple of in-house products **Sales-Tracker** and **HR-Employment-Tracker** used by Sales team and HR team respectively.
- Provided dedicated coaching to interns and new employees, which boosted efficiency throughout department.

## Accomplishments

Earned 50+ [badges and course completion certificates](#) from IBM, Coursera, Microsoft, Udemy, [DataCamp](#), LinedIn Learn and Cognitive Class, during my 8 months of learning through MOOCs(massive open online courses) in Data analysis with python, Machine learning, Deep learning, using Jupyter Notebook with frameworks (Tensorflow/Keras) and documented all on my [GitHub Repository](#) that can help me speed up project implementation for years to come.

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## Data Science Projects

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### Prospective business opportunities in Mumbai – Aug 2019 [Link](#)

**Description:** Find possible restaurant business location in Mumbai, based on their average rating, likes and tips, and cluster similar venues.

**Skills:** Foursquare API, Folium library, K-means clustering, Statistical analysis.

### Machine Learning Projects – Jan 2019 to Present [Link](#)

**Description :** Include all projects largely based on machine learning concepts Classification, Regression, Clustering, Recommendation Systems and their sub types.

**Skills:** Use of python libraries : numpy, pandas, scipy, sklearn, matplotlib, pyplot, bokeh, seaborn



### Deep Neural Network Projects – May 2019 to Present [Link](#)

**Description :** Include all projects largely based on the Deep Neural Network models such as ConvNet(CNN), Recurrent NN, Deep belief network, LSTM, RBM, YOLO using optimization algorithms and hyper-parameter tuning on various data sets and applications including MNIST, Hand gesture recognition, Facial sentiment recognition, Object detection, Natural language processing(NLP), Text generation, Neural Style Transfer, Audio recognition, Trigger word detection and more.

**Skills:** Forward propagation and backward propagation from scratch as well as using Keras and TensorFlow for all neural network models.

