

**Harshit Agarwal** 

Data Science Engineer seeking job in Data Analysis, Data Visualization, Predictive modeling using machine learning techniques, deep learning and python.

Current Designation: Software Engineer

Total Experience: 2 Year(s) 5 Month(s)

Current Company: Robert Bosch Engineering and Business Solutions

Notice Period: 3 Months

Current Location: Bengaluru / Bangalore

Highest Degree: B.Tech/B.E. [Computers]

Pref. Location: Bengaluru / Bangalore, Pune

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Data Analysis, Data Analytics, Statistical Modeling, Predictive Analytics, Python, Machine Learning, Deep Learning,

Verified : Phone Number | Email - id

Last Active: 21-Jan-21

Last Modified: 21-Jan-21

## Summary

Result oriented professional seeking an opportunity to help companies understand data better with experience in Machine Learning, Deep Learning, ,Neural Networks, SQL, Python, Software Engineering, Requirement Gathering

## Work Experience

**Robert Bosch Engineering and Business Solutions** as Software Engineer  
Aug 2018 to Till Date

- 1) Creating models using sklearn python library to classify the energy consumption by the electrical appliances used in stores/malls.
- 2) EDA on the electrical data collected from devices installed in industries. Predict the energy consumed by machines taking account of different features.
- 3) Processing the data through multi- threaded programming. Wrapping the data in desired form as an input to algorithm. Managing data storage in device through RDMS SQLite database. Using AWS IOT SDK to create MQTT broker, client communication.
- 4) Peer review of code taking care of modular programming, comments and unit test case.
- 5) Design and documentation of the application including nonfunctional requirements like CPU usage, scalability etc.
- 6) Communicating with installation Engineers and cloud management teams for grooming the requirements.

## Education

UG: **B.Tech/B.E. (Computers)** from **Kalinga Institute of Industrial Technology, Khurda** in **2018**

**Other Qualifications/Certifications/Programs:**

Statistics for Data Science

**IT Skills**

Skill Name	Version	Last Used	Experience
Python		2020	2 Year(s) 3 Month(s)
SQL		2020	2 Year(s) 3 Month(s)
scikit-learn		2020	2 Year(s) 3 Month(s)
STATISTICS		2020	2 Year(s) 3 Month(s)
MACHINE LEARNING		2020	2 Year(s) 3 Month(s)
Deep learning		2020	1 Year(s) 0 Month(s)

**Languages Known**

Language	Proficiency	Read	Write	Speak
English	Expert			
Hindi	Expert			

**Projects**

Project Title: Energy Monitoring System

Client: Robert Bosch Engineering and Business Solutions

Nature of Employment: Full Time

Project Location: Bengaluru

Role: Programmer

Skill Used: Python, Machine Learning, Statistics

Role Description: Build Machine Learning models to classify electrical signals to segregate the energy consumed by each electrical appliance connected to the main supply.

Project Details: The Project aims to build an IoT device that collects electrical signals from the main supply going through edge processing in the device in a linux based environment that uses a machine learning algorithm to segregate signals and process the data, passing it to AWS client through MQTT broker. The AWS portal uses data visualization techniques to showcase the energy consumed by each appliance.

Duration: Jan 2019 - Till Date

Onsite / Offsite: Onsite

Team Size: 15

**Affirmative Action**

Category: General

Physically Challenged: No

**Work Authorization**

US Work Status: Need H1 Visa

Countries: India

Job Type: Permanent

Employment Status: Full time