



# Usman Hafiz

Problem solving enthusiast with a data driven approach. Possess excellent interpersonal skills with sublime verbal and written communication prowess. Work best in dynamic conditions applying critical thinking skills.

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## EDUCATION

### B.Tech in Electrical Engineering

Indian Institute of Technology, Delhi

2016 - 2020

IIT Delhi

## PROJECTS

### Loan Prediction Analysis

Pandas|Numpy|Seaborn|Scikit-learn

*Machine Learning*

- Exploratory data analysis with transformations.
- Training the ML model using scikit.
- Correlation Matrix & Confusion Matrix analysis.

### Sales data analysis of an e-comm. store

Python|Pandas

*Data Analytics*

- Creating a performance profile of the product line.
- Deciding the best time to advertise the products.
- Identifying the specifics of the best sales periods.

### Vector Control of Induction Machine

MATLAB|SIMULINK

*Simulation*

- Vector control using current hysteresis controller.
- Performance analysis of 3 $\phi$  IM during vector control.

## COURSES

### Data Structures and Algorithms

*Done using object-oriented programming paradigm*

### Microeconomics

*Slutsky equation, Market demand, Elasticities, Expansion path.*

### Global Political Economy

*International trade and finance, industrial capitalism.*

### Industry and work culture under globalization

*Rise of IT sector and BPO industry, info. economy & CSR.*

### Rural Industrialisation: Policies, Programmes and Cases

*Rural transformation through decentralized technologies.*

### Science, Technology and Human Development

*Dynamics of technological change. Gender dimensions of S&T.*

### Probability and Stochastic Processes

*Axioms, Distributions, Generating functions of probability.*

## SKILLS

Python

Pandas

SQL

JAVA

C

MATLAB

## SCHOLASTIC ACHIEVEMENTS

### NTSE Scholar

- National Talent Search Examination conducted nation-wide by NCERT

### NCO - Rank 2 ( J&K + Himachal Pradesh )

- National Cyber Olympiad by Science Olympiad Foundation

## EXTRA CURRICULAR ACHIEVEMENTS

### Football

*1st position (Gold) in Sportech 2018, IIT Delhi*

### Debating

*Special mention in Stalwarts 2016, IIT Delhi*

### MUN (Model United Nations)

*High Commendation Award, MUN JKPS'14*

### Drama

*Dramatist of the year 2014 HSJ*

### Painting

*6th position at NHPC organized State Level Painting Competition*

### Parade

*Best Commander Award at Sports Day March-Past at HSJ'14*

## INDUSTRIAL TRAINING

### Suratgarh Super Thermal Power Plant RRVUNL

*Vocational Training in Power Generation*

### JKPDD Gladni Grid Station

*Step down power transformation 220/33 KV*

## POSITIONS OF RESPONSIBILITY

### Football Captain Nilgiri Hostel

*1st runnerup in inter-hostel football competition*

### House Captain HSJ

*Best performance in sports category*

## INTERESTS

Football

Bodybuilding

Biking