



# LOVEPREET SINGH

DATA SCIENTIST

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Hoshiarpur, Punjab

LovepreetSingh-09

## SUMMARY

I am an enthusiastic learner seeking a full-time position in the field of Data Science and Machine Learning where I can expand my knowledge, learn new skills and contribute to the growth of the company.

## TECHNICAL SKILLS

- Programming languages :- Python, R, C, C++
- Data Modelling:- Numpy, Pandas, Scikit-Learn, Tensorflow
- Data Visualization:- Tableau, Matplotlib
- Data Management:- MySQL, MS-Excel, Salesforce, Hadoop
- Platforms:- Unix, MS Window7, 8, 10, 11

## CERTIFICATIONS

- Applied Data Science with Python Specialization | University of Michigan | Sep'20
- Data Engineering, Big Data and Machine Learning Specialization | Google | Oct'20
- TensorFlow Developer Certification Program | DeepLearning.AI | Oct'20
- Natural Language Processing Specialization | DeepLearning.AI | Nov'20
- AI in Medicine Specialization | DeepLearning.AI | Nov'20
- Salesforce Developer Certification | Grazitti | Jan'23 - March'23

## POWER SKILLS



## EXTRA CURRICULAR ACTIVITIES

- Class-Representative in B.tech in LPU | Jan'20-Aug'20
- ASME Coordinator in LPU | Oct'18

## TRAINING PROGRAM

- Salesforce Developer Training** Jan'23 -Feb'23  
Online
  - Gained hands-on experience in Customer Relationship Management (CRM).
  - Performed automated and manual tasks on data and ensure that data created by organization is up to date and is available to use for various insights.
  - Worked on Data Security to prevent sensitive data by setting permissions, roles, hierarchies and also using security at object, field and record level.
- Industrial Training** Jun'18 - Jul'18  
Sonalika International Tractors Ltd. | Hoshiarpur, Punjab
  - Worked with the Project Manager in the engine assembly department.
  - Managed Data of Engine Department using MS-Excel and used that data to make reports.

## PROJECTS

### WEB APP FOR PNEUMONIA DETECTION Oct'20

In this project, I created web application using flask and created a ResNet model which classifies an x-ray image uploaded by the user that whether it has pneumonia or not. The model was trained on a large dataset of x-ray images where I got 95% accuracy. Various libraries such as numpy, scikit-learn, tensorflow, matplotlib and flask was used to create the model and integrate it with the web app.

### ELECTRIC BIKE WITH AUTOMATED RETRACTABLE WHEELS Aug'19 - Dec'19

In this project a pair of retractable wheels were adjusted at the back side of the bike. The ECU was programmed in such a way that whenever it receives the signal from sensor about the low speed (15 kmph) of the vehicle, it sends a signal to the hub-motor to actuate the wheels to maintain the balance and prevent accidents which often happens with short-heighted and old-age people on two-wheelers.

### US COVID-19 CASES ANALYSIS AND PATTERN PROJECTION Sep'20

This project is done by me to analyze the COVID-19 cases in US by doing statistical analysis on the data recorded day by day. A chart for active cases and deaths was created separately to understand the trend and pattern of the pandemic.

## ACHIEVEMENTS

- Secured 1<sup>st</sup> Position in Essay Writing Competition Jan '14
- Awarded Certificate of Merit by GNP May'14
- Winner of Cricket Tournament at Khanpur Apr '21

## EDUCATION

- M.Tech. in Data Science and Analytics Aug'22 - Present  
Lovely Professional University|Phagwara, IN  
CGPA - 9.21
- B.Tech. in Automobile Engineering Aug'16 - Aug'20  
Lovely Professional University|Phagwara, IN  
CGPA - 8.68
- Higher Secondary (Non-Medical) Apr'14 - Mar'16  
Rayat Bahra School of Education | Hoshiarpur, IN  
Percentage - 80.41%