Gaurav Jain

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EDUCATION

M. Tech — Artificial Intelligence
National Institute of Technology
Sept. 2020 – Ongoing Bhopal (462003)

B. Tech — Mechanical Engg.
University Institute of Engg. and Technology
Aug 2014 – May 2018 Kurukshetra (136119)

SKILLS

• Python • SQL • MS Excel • Selenium • Flask • HTML

• Machine Learning • Deep Learning • Exploratory Data Analysis • Web scrapping • Scikit-Learn • TensorFlow • Keras

• Mathematics • Statistics • Critical Thinking • Quick Grasping.

CERTIFICATIONS

Data Scientist with Python
Issued by: **Datacamp** Certificate

Machine Learning Scientist
Issued by: **Datacamp** Certificate

SQL Server for Database Administrators
Issued by: **Datacamp** Certificate

Data Science Math Skills
Issued by: **Coursera** Certificate

Honors & Awards

GATE – 96+ Percentile

NKRC - Finalist. National level Go-Kart Racing championship.

Well done card for WEP at Bosch.

EXPERIENCE

BOSCH LIMITED Jaipur
Graduate Apprentice Oct. 2018 – Oct. 2019

Project:

WEP - Prevention of Coolant Leakage

Successfully Eliminated the Waste of Waiting and Processing in the Production line by Re-Designing the Coolant Return Tank of a Machine and saved Rs 100k.

PROJECTS

Portrait Me: Image Segmentation: Live Demo

- A Deep learning based web API to remove the background in the real time video and from the image too.
- Model was trained using Convolution Neural Network, Application developed using Flask framework and deployed on Heroku platform.
- Optimized Encoder Decoder type UNET architecture to achieve the accuracy of 93% and Mean-IOU of 0.43

Human Activity Recognition: Source Code

- Built a Deep Learning classifier to classify between various physical activities performed by person in day-to-day life.
- Perform EDA to find patterns and gain insights for the preparation of dataset for time series analysis from the raw sensors data.
- Combination of CNN and LSTM gave astonishing precision and recall of around 99% on both training and validation data.

House Rent Prediction: Source Code

- Train Machine Learning Regression model to predict house rent, helping buyers to make an informed decision.
- Built an end-to-end feature transformation and model selection pipeline. Hand engineered some relevant features.
- Optimized Linear, Decision Tree and Random Forest Regressors using GridsearchCV to reach the best model. Linear Regression with RMSE of .19 turns out the best.

Marketing Strategy using Decision Trees: Source Code

- Using data analysis and Machine learning, prepared a marketing strategy for the banks to make quick decision, help to increase revenue.
- Built an end-to-end feature transformation and model training pipeline to classify between classes.
- Plot the decision tree model to get the if else conditions that will help make predictive guess.

Working on – Automatic News Tagging