

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 • Computer vision • Natural Language Processing (NLP)

• 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.

Team Leader – College Project.

EXPERIENCE

SIEMENS INDUSTRY SOFTWARE

Intern

Pune

June 2021 – Ongoing

Handling build infrastructure and improving CI/CD pipeline for faster and efficient product delivery.

Project:

Developing a **chatbot** for internal purpose, to reduce inter-dependencies.

BOSCH LIMITED

Graduate Apprentice

Jaipur

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 annually**.

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, developed using **Flask**.
- Modify the **U-NET** architecture to achieve the accuracy of over **93%** and Mean-IOU of over **80%** on coco dataset.

Huge Data Text Classification:

[Source Code](#)

- Feature engineered the raw data with **3 million** datapoints to train a simple bag of words model for text classification of **10k classes**.
- Train different models like **bow**, **TF-IDF** and **word2vec** (pre trained word embeddings) models and achieve accuracy of **75%**.

Marketing Strategy using Decision Trees:

[Source Code](#)

- Using data analysis and Machine learning, prepared a marketing strategy for the banks, might help to **increase revenue**.
- Plot the decision tree model to get the **if else conditions** that will help make predictive guess.

Human Activity Recognition:

[Source Code](#)

- Built a Deep Learning classifier to classify between various physical activities performed by person in day-to-day life.
- Combination of **CNN** and **LSTM** gave astonishing **precision** and **recall** of around **99%** on both training and validation data.