

KULDEEP GAUTAM

Graduate Research Asst, IIT Hyderabad

Career Objective: Boosting my skills and knowledge in the domain of Machine Learning as well as exploring new tools & technologies for developing new promising solutions.

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EDUCATION

M.Tech, Computer Science & Eng.

Indian Institute of Technology, Hyderabad

01/2020 – 01/2023

B.Tech (Hons), Computer Science & Eng.

Ajay Kumar Garg Engineering College,
Ghaziabad

01/2020 – 01/2023

75.16%

Intermediate

Delhi Public School, Mathura

2014

92.00%

High School

Grace Convent School, Mathura

2012

85.20%

EXPERIENCE

Graduate Research Assistant

Indian Institute of Technology, Hyderabad

01/2020 – 01/2023

- Carrying out research on deep learning compilers for code optimization
- Teaching Assistant Work

Software Engineer

Samsung Research Institute, Noida

07/2019 – 12/2019

- Part of Project Leading group, handling project management, and code quality & compatibility of development, OS-upgrades, and maintenance release projects.

Data Science & NLP Intern

Digital IP Insights Pvt. Ltd.

06/2018 – 07/2018

- Implemented a computer vision model for image comparison.
- Implemented a python module for translating large data in foreign languages to English for better text processing & creating word clouds.
- Created a chrome extension for a marketplace for scraping the data.

SKILLS

Technology-Stack:

Machine Learning, Deep Learning, NLP, Computer Vision

Libraries:

Scikit-learn, Pytorch, Keras, OpenCV, NLTK, Numpy, Pandas

Programming Languages:

C, C++, Python

Languages:

English, Hindi

PROJECTS

Google Hash Code 2020

- Technology:** Python

Simplex Algorithm

- Technology:** Python

Automated AMS Using Face Recognition

- Technology:** Deep Learning, Computer Vision, Python
- Algo (Accuracy):** Facenet (92%)

Automated Essay Scorer

- Technology:** NLP, Deep Learning, Python
- Algo (Accuracy):** Encoder-Decoder using LSTM (96%)

Survival Prediction

- Technology:** Supervised Machine Learning, Python
- Algo (Accuracy):** Ensemble of Random Forest, Logistic Regression, Support vector machines (78%)

House Price Prediction

- Technology:** Supervised Machine Learning, Python
- Algo (Accuracy):** Random Forest Regression (83%)

CERTIFICATES

- Coursera:** Neural Networks and Deep Learning, & Improving Deep Neural Net by deeplearning.ai
- Udemy:** Machine Learning : A-Z
- Udemy:** Data Structures and Algorithms using C++
- NPTEL, IIT Kharagpur:** Python Programming & Data Structures

ACHIEVEMENTS & ACTIVITIES

- GATE '19 Percentile:** 96.47
- Hacktober-Fest '19:** Created 6 successful PRs
- Received LORs** from Digital IP Insights Pvt. Ltd, Noida & AKGEC, Ghaziabad.
- Winner** of state-level group dance competition, 2017.