# KULDEEP GAUTAM

Graduate Research Asst, IIT Hyderabad

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**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.