# Kuldeep Gautam

Graduate Research Assistant, IIT Hyderabad

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

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## EDUCATION

### M.Tech, Computer Science & Engineering
Indian Institute of Technology, Hyderabad

*01/2020 – Present*

### B.Tech(H), Computer Science & Engineering
Ajay Kumar Garg Engineering College, Ghaziabad

*2015 – 2019*                                            *75.16 %*

### Intermediate
Delhi Public School, Mathura

*2014*                                                   *92.00 %*

### High School
Grace Convent School, Mathura

*2012*                                                   *85.20 %*

## WORK EXPERIENCE

### Graduate Research Assistant
IIT, Hyderabad

*01/2020 – Present*

- 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 and compatibility of development, OS-upgrades, and maintenance release projects.

### Data Science & NLP Intern
Digital IP Insights Pvt. Ltd, Noida

*06/2018 – 07/2018*

- Implemented a computer vision model for image comparison.
- Wrote a python script 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.

## LANGUAGES

English, Hindi

## SKILLS

TECHNOLOGY-STACK: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing.

LANGUAGES: C, C++, Python.

LIBRARIES: Scikit-Learn, Keras, Tensorflow OpenCV, Numpy, Pandas, Matplotlib, NLTK, Gensim.

## PROJECTS

Automated AMS Using Face Recognition
- TECHNOLOGY: Computer Vision, Deep Learning
- ALGORITHM: Facenet | ACCURACY: 0.92

Automated Essay Scorer
- TECHNOLOGY: NLP, Deep Learning
- ALGORITHM: Encoder-Decoder using LSTM | ACCURACY: 0.96

Deep Neural Net Based Face Detection
- TECHNOLOGY: Computer Vision, Deep Learning
- ALGORITHM: SSD, ResNet | ACCURACY: 0.94

House Price Prediction
- TECHNOLOGY: Supervised Machine Learning
- ALGORITHM: Random Forest Regression | ACCURACY: 0.83

Survival Prediction
- TECHNOLOGY: Supervised Machine Learning
- ALGORITHM: Ensemble of Random Forest, Logistic Regression, Support vector machines | ACCURACY: 0.78

## CERTIFICATES

Data Structures and Algorithms using C++
*Udemy*

Machine Learning : A-Z (01/2018)
*Udemy*

Python Programming & Data Structures (07/2017 – 09/2017)
*NPTEL , IIT Kharagpur*

## ACHIEVEMENTS & ACTIVITIES

- GATE '19 Percentile: 96.47

- Hacktober Fest '19: Contributed to open-source, creating 6 accepted P.Rs

- Received LORs from Digital IP Insights Pvt. Ltd, Noida & AKGEC, Ghaziabad.

- Winner of state-level group dance competition, 2017.

- Campus Ambassador, Rendezvous, IIT-Delhi, 2017.