

Kuldeep Gautam

Graduate Research Assistant, IIT Hyderabad

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

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EDUCATION

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

01/2020 – 01/2023

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 %

EXPERIENCE

Graduate Research Assistant IIT, 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, Noida

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.

LANGUAGES

English, Hindi

SKILLS

TECHNOLOGY-STACK:
Machine Learning, Deep Learning, Computer Vision, NLP.

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

LANGUAGES: C, C++, Python.

PROJECTS

Google HashCode, 2020

- TECHNOLOGY: Python

Automated AMS Using Face Recognition

- TECHNOLOGY: Computer Vision, Deep Learning, Python
- ALGORITHM: Facenet | ACCURACY: 0.92

Automated Essay Scorer

- TECHNOLOGY: NLP, Deep Learning, Python
- ALGORITHM: Encoder-Decoder using LSTM | ACCURACY: 0.96

Deep Neural Net Based Face Detection

- TECHNOLOGY: Computer Vision, Deep Learning, Python
- ALGORITHM: SSD, ResNet | ACCURACY: 0.94

House Price Prediction

- TECHNOLOGY: Supervised Machine Learning, Python
- ALGORITHM: Random Forest Regression | ACCURACY: 0.83

Survival Prediction

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

CERTIFICATES

Coursera: Deep learning Specialization by deeplearning.ai

Google: Crash Course on Python

Udemy: Data Structures and Algorithms using C++

Udemy: Machine Learning : A-Z

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.