Abhinav Kumar Jha

Github | LinkedIn | abhinavkrjha10@gmail.com | 9654187501

EDUCATION

JAMIA MILLIA ISLAMIA
B.Tech Computer Engineering
8.50 CGPA
July 2015 -- May 2019

MOTHER'S GLOBAL SCHOOL
CBSE,New Delhi
May 2014
10th : 9.0 CGPA
12th:85.4

SKILLS

PROGRAMMING
Languages
Python • Java • C++ • C
Libraries
OpenCV • NLTK • Tensorflow • PyTorch
Web Development
• Django • ReactJS • Flask • Bootstrap •
JavaScript
Version Control
• Git • Github • SVN
Others
• Docker • Kubernetes • AWS • GCP •
Azure Cloud Services

CONCEPTS
Computer Vision • Natural Language
Processing • Deep Learning • System
Design • Algorithms

ACHIEVEMENTS
•Pat on the Back award at Newgen
Software.
•Qualified for onsite final round of Smart
India Hackathon 2019
•AIR 137/80K in NEST SENIOR-II
•Ranked 33/3500+ participants in
hackerearth ML challenge
•Ranked 13th in Data Science Challenge
by Skillenza
•Reached till Round 1A of Codechef
Snackdown

EXPERIENCE

NEWGEN SOFTWARE TECHNOLOGIES LTD. |Software Design Engineer
June 2019 - Present | Noida,India
- Developed interactive automated machine learning training pipeline with data and model versioning for **Document Classification** product.
- Developed image and content based **Pre-Training data analysis tool** for improved data understanding and preparation.
- Custom LSTM based architecture improved existing F1 Score of text classification module of **Digital Sensing** by **12 percent**.

THINK FUTURE TECHNOLOGIES | Machine Learning Intern
Feb 2019 - April 2019 | Gurgaon,India

- Worked on **Intrusion Detection System** product and introduced Object Detection using YOLOV3,Human activity recognition in real time and integrated it with a web application made using flask.

PROJECT

DISTRACTED DRIVER DETECTION | Developer
Computer Vision | Deep Learning   Github
- Prepared the model using stacked CNN architecture to predict the class of distraction for a given image and integrated it with a web application using flask.
- **Ranked in top 2 percent** in Distracted Driver Detection Challenge on Kaggle.

FAKE NEWS STANCE DETECTION | Developer
NLP | Fake News Detection   Github
- Developed a **AI assisted fact checking pipeline** by Stance detection of the input text.
- Seq to Seq Recurrent model with attention using LSTM used to achieve **improved F1 Score by 4.1 percent** than the winnner of the **FNC Challenge** .

APPAREL RECOMMENDATION | Developer
Recommendation System | Computer Vision | NLP   Github
- Recommends the similar apparel based on content based search filtering.
- Uses CNN architecture to recommend on the basis of apparel colors,various NLP algorithms on the basis of text based features like title,description etc.

BLOGGIFY | Developer
Django | JS | Sqlite3 | Solr | Haystack   Github
- Made a blog having functionality to create,tag,search,share,comment on a blog and added sitemap,RSS feed