

Abhinav Kumar Jha

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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

COMPETITIVE

PROGRAMMING

Hackerearth:// [abhinavkrjha10](#)

Hackerrank:// [abhinavkrjha10](#)

SKILLS

PROGRAMMING

Languages

Python • Java • C++ • C

Libraries and Frameworks

• Spring • Springboot • OpenCV • NLTK

• Tensorflow

Web Development

• Django • ReactJS • Flask • JavaScript •

JQuery

Version Control

• Git • Github • SVN

Others

• Docker • AWS • GCP • Azure Cloud

ACHIEVEMENTS

• 5 Star Gold Rating on Hackerrank

• Pat on the Back award at Newgen Software.

• Reached till Top 3 in 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/3000+ in Data Science Challenge by Skillenza

CONCEPTS

• Algorithms • Data Structures • System Design • Microservices • Machine Learning

EXPERIENCE

NEWGEN SOFTWARE TECHNOLOGIES LTD. | SOFTWARE DEVELOPMENT ENGINEER

June 2019 - Present | Noida, India

- Developed interactive automated machine learning training pipeline with data and model versioning for **Document Classification** product.
- Worked on identification of Risky/Personal information from documents using named entity recognition. Custom LSTM based architecture is designed to get **more than 5 percent F1 score improvement** on state of art spacy and nltk.
- Improved the analytics module of **Digital Sensing** product by **12 percent** and added features like **channel and time recommendation**

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

DEEPWHIZ | DEVELOPER

Django | JS | MongoDB Github

- A blog application having the functionality for user login, write posts with images, add tags and category and search blog posts.
- It also has **text summarization, text to speech conversion and language translation** features integrated for all blog posts.

MOVAPP | DEVELOPER

Django | Recommendation System | Web Scraping | LRU Cache Github

- Developed a Web App using Django which uses the IMDB api for extracting movies data and has feature for autocomplete, fuzzy matching and finding sentiment of user comments.
- Does feature engineering and uses Cosine Similarity for finding the likelihood of two movies being similar.

DISTRACTED DRIVER DETECTION | DEVELOPER

Computer Vision | Deep Learning Github

- Developed stacked CNN architecture to predict the class of distraction in real time on a **video** and captured **image**.
- **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 existing solution of **FNC Challenge**.