

# Abhinav Kumar Jha

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## EDUCATION

### IIT HYDERABAD

M.TECH DATA SCIENCE

August 2023 -- May 2026

### 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

## ACHIEVEMENTS

- **Mentored** the team to reach finals of Unesco India Africa International Hackathon
- Smart India Hackathon 2019 **Finalist**
- Awarded **Standing Ovation Award** for commendable performance at Newgen Software
- **5 Star Gold Rating** in Algorithm on Hackerrank
- Awarded **Pat on the Back** award at Newgen Software.
- Ranked 33/3500+ participants in Hackerearth ML challenge
- Ranked 13th/3000+ in Data Science Challenge by Skillenza

## CONCEPTS

Computer Vision • Natural Language Processing • Deep Learning • Statistics • Time Series Analysis • Recommender System • Data Visualization

## SKILLS

### PROGRAMMING

Languages

Python • Java • C++ • C

Libraries

OpenCV • NLTK • Tensorflow • PyTorch

Web Development

• Django • Flask • FastAPI Version

Control

• Git • Github • SVN

Deployment

• Docker • AWS • GCP • Azure Cloud

Services

## EXPERIENCE

### PUBLICIS GROUPE | ASSOCIATE TECH LEAD

July 2022 | Gurgaon,India

- Designed and developed recommendation engine platform to serve, recommend and push creatives across multiple platforms.
- Developed Short video recommendation model which **improved VCR Rate by 30 percent**

### NEWGEN SOFTWARE TECHNOLOGIES LTD. | SENIOR SOFTWARE DESIGN ENGINEER

June 2019 - June 2022 | Noida,India

- **Document Information Extraction:** Designed and developed Document Classification using Custom CNN architecture, Page Segmentation using YOLOV4, Key Value Pair extraction using LayoutLMV2.
- **Text Analyzer:** Developed Text Classification models for NER, Emotion, Intent, Profanity, Product classification for reducing response time at Customer Communication Hub.
- **Model Training Tool:-** Designed and Developed a platform for training custom machine learning/deep learning models.

### THINK FUTURE TECHNOLOGIES | MACHINE LEARNING INTERN

Feb 2019 - April 2019 | Gurgaon,India

- Developed **Intrusion Detection System** product by implementing 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](#)

- 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.

### APNIDUKAAN | DEVELOPER

Django | JS | MongoDB | Celery | Recommender System [Github](#)

- An **Ecommerce website** having feature to browse products, add them to the cart, apply discount codes, go through the checkout process and obtain an invoice and receive email notifications asynchronously.
- The website can be rendered in **multiple languages** and has also a recommendation engine to **recommend products**.

### FAKE NEWS STANCE DETECTION | DEVELOPER

NLP | LSTM | 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 existing solution of **FNC Challenge** by implementing Stanford stance detection research paper .