

# VISHWAJEET KUMAR

Indian Institute of Technology, Kharagpur

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## Education

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### INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

#### Integrated Master of Science, July'16 - May'21

- Major: Mathematics and Computing, GPA: 8.17/10  
**Relevant Courses** – Programming and Data Structures | Design and Analysis of Algorithms | Scalable Data Mining | Discrete Mathematics | Probability and Statistics | Object Oriented Systems Design | Linear Algebra | Operation Research | Regression and Time Series Model | Systems Programming | Advanced Numerical Techniques | Deep Learning | Theory of Operating Systems | File Organisation and Database Systems | Stochastic Processes | Statistical Inference

## Work

## Experiences

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### Morgan Stanley

*Technology Analyst Intern, May'20 - July'20*

- Developed a library for Data Quality checks in Apache Spark
- Built data quality rules on the top of the library and integrated with the concerned software
- The library was written in Scala with extended support for Java

### Adagrad AI

*Machine Learning Intern, May'19 - July'19*

- Developed fully-functional architecture for detecting and extracting all the key entities from an invoice
- Trained and deployed Objection Detection using faster-RCNN architecture and NER model for the task
- Coordinated with the software team in building Web API for the invoice entity extraction

## Competitions

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### Netapp Data Challenge

*Kshitij 2019, IIT Kharagpur*

- Worked on the problem of News Classification analyzing news headline and article content of the data
- Developed a deep neural architecture using Bidirectional Long short-term memory with the Attention mechanism
- Developed the architecture in Python with Tensorflow having the accuracy of about 80% on unseen data

### Flipkart Machine Learning Challenge

- Worked on the problem of Object Localization with the challenge of identifying the object within an image
- Developed a localization model consisting of faster R-CNN architecture for the problem using TensorFlow

### Microsoft Codefundo++

- Developed a decentralize voting application capable of allowing users to vote and cryptographically secure it
- Deployed Smart contracts of application in Ethereum Blockchain Framework by using Truffle environment

## Skills

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- **Programming Languages:** C, C++, Python, Java, Scala
- **Data Science:** Tensorflow, Pytorch, Pandas, Numpy, Scikit-Learn
- **Software Technologies:** Linux, Android App Development, Apache Spark