* Creating Optimizing and debugging machine learning models
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INDRESH **BHATTACHARYA**

EDUCATION

( <https://linkedin.com/in/indresh-bhattacharya/> )

( <https://github.com/neelindresh> )

( <https://pypi.org/project/pymlpipe/> )

* Created and deployed various Natural Language Understanding Models for the Google Ads which reduced the error rate for the agents from 9% to 2 % in the Quarterly reports
* Coordinated a team of 4 Engineers
* Consulted with client for accessing data from locations across glove to access Agent-Altas interaction data
* Received award like **Steller Award,** and **Dream Team** as part of Virtusa ecosystem

*MACHINE LEARNING ENGINEER*

2019-2020

**Virtusa**

* Coordinated a team of 10 data scientists working on 5 different projects. Across 2 different locations.
* Created and presented models for financial document processing , achieving a 30% improvement in Finance team work response time.

*DATA* *SCIENTIST*

2020-2021

**Synerg-tech**

* Tata Metalliks: Envisioned, built and deployed machine learning models for metal and mining sectors that resulted in a 25Cr revenue increase. Implemented Mlops framework for continuous learning and model deployment.
* Largest Investment firm: As part of internal audit team created AI enabled platform to help auditors write audit reports using NLP
* Received award like **Rising star**, **Kudos**, **Lighthouse Innovator** as part of KPMG ecosystems

*Consultant DATA* *SCIENTIST*

Present

**KPMG India**

EXPERIENCE

SKILLS

PYTORCH

KERAS

TENSORFLOW

PYRO

AWS

SKLEARN

SCIPY

PANDAS

NUMPY

FLASK

Data Scientist |Author PyMLPipe

* Creating Optimizing and debugging machine learning models
* Developing end- to end solutions
* Use machine learning techniques and statistical methods to conceptualize solutions

*ASSOCIATE MACHINE LEARNING ENGINEER*

2018-2019

**Virtusa**

PYTHON

DOCKER

AIRFLOW

SPARK

PYSPARK

DJANGO

MYSQL

API

MONGODB

GENSIM

NLTK

SPACY

DASH

TEXTBLOB

PIL

GAN

ANN

CNN

PYMC3

AZURE

ABOUT ME

B.SC. COMPUTER SCIENCE

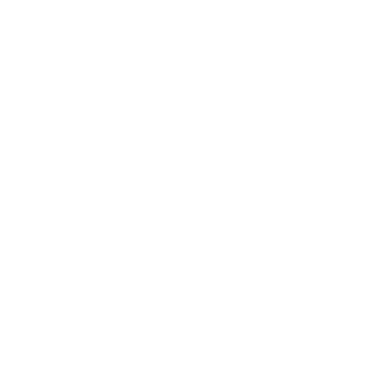
**APC , WBSU, West Bengal**

2013-2016

MASTER OF COMPUTER APPLICATION (Data Science & Analytics)

2016-2018

**Vellore Institute of Technology (VIT Vellore)**



+91-9564173039/ 9064564756

A self-motivated, tech-savvy and result oriented professional who always looks for opportunity to exercise creative and innovative ideas to make contribution to the development of the organization. Experienced in creating end-to- end Analytics solutions.

Image Processing

Computer Vision

Natural Language Understanding

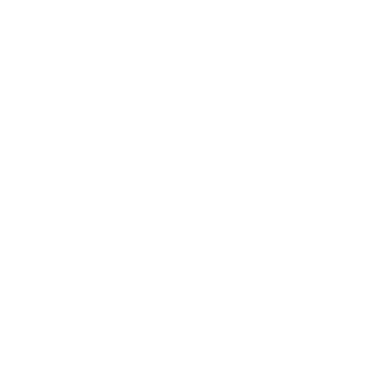
Natural Language Processing

Deep Learning

Machine Learning

**CORE COMPETENCIES:**

Statistical and Predictive Analysis



indresh2neel@gmail.com

Cloud Computing

IRON MANUFATURING MAINTENANCE AND SUSTANCENCE PREDICTION

MICROSTRUCTURE AND MECHANICAL PROPERTY PREDICTION

FINDING WRITING TOOL FOR AUDITORS

FINANCIAL DOCUMENT CLASSIFICATION

DISTRIBUTED ARCHITECTURE

FRAMEWORK

2022

2021

NAMED ENTITY RECOGNITION USING OCR for FINANCIAL FORMS

2020

FINANCIAL DOCUMENT EXTRACTION (TABLES, NOTES,HEADERS,PARAGRAPH)

AUTOMATIC DOCUMENT TAGGING

DATA QUALITY PLATFORM

GRAMMERTICAL ERROR CORRECTION PLATFORM

GOOGLE ADS VALIDATION FRAMEWORK

2019

**PROJECT TIMELINES**

DATA LINEAGE UTILITY

SYNTHETIC IMAGE GENERATION

AI-CELERATE  
(DATASCIENCE PLATFORM)

2018