

Name: [Nilesh.D. Ohol](#) | London, U.K.

[GitHub](#) | [LinkedIn](#) | [Interactive CV](#) | [Tableau](#) | [Qwiklabs](#)

Contact Details: [nilesh\\_ohol@outlook.com](mailto:nilesh_ohol@outlook.com) | +44-7442003317 Python, Java, R, C++, SQL, Tableau, GCP & AWS

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## Experience:

### Professional Lecturer for IIM, upTop – 7<sup>th</sup> November 2021 – Present

- Sharing my informative technical expertise to perform **univariate and multivariate data analysis to make impactful business decisions using R (Programming Language)** and create **informative & intuitive dashboards** with dynamic data visualizations using visual analytics platform **Tableau** with the thoughtful individuals from IIM - Rohtak enrolled in different courses like:
  - Strategic Digital Marketing & Analytics.
  - Product & Brand Management.
  - Supply Chain & Logistic Management Applied Digital Transformation & Analytics
  - Lean Operations Management.
  - Strategic Human Resources Applied Analytics.

### Corporate Trainer, ResponseNET Consultancy - 24<sup>th</sup> June 2021 – 08<sup>th</sup> August 2021

- Improving communication skill and creating intuitive presentations to share technical expertise in Data Structures and Algorithms in **Java & Python to more than 600 individuals** within institutions across India.
- The programming topics such as:
  - Programming Fundamentals.
  - **OOP's** Concepts.
  - **Data Structures** like Array, Linked List, Stacks, Queues, Heaps, Binary Tree, Binary Search Tree.
  - Searching and Sorting **Algorithms**.
  - Data Base Management System - **SQL (MariaDB)**.
- Within this duration, I also managed to have a **5-day session** on **Machine Learning** and **Tableau** on Zoom with **more than 150 enthusiastic individuals** from the [Thakur College of Engineering, Mumbai](#).

### Machine learning Programmer, CodeSpeedy Technology Private Limited - 20<sup>th</sup> June 2020 – 29<sup>th</sup> July 2020

- Being challenged to engage and develop meaningful **Deep Learning Models** for a variety of complex problem statements including **computer vision** using **open-source Deep Learning API TensorFlow and Keras**.
- **Writing articles** on the Machine Learning model and providing its **tutorial with open-source code** and output.
- [My Machine Learning Articles](#)

## Education:

### MSc in Machine Learning and Deep Learning, University of Strathclyde, U.K. – September 2021 – September 2022

- A member of the **Marine Robotics Society**, where we are building an **Autonomous Unmanned Surface Vehicle** for an upcoming competition "[Njord - The autonomous ship challenge](#)" on **August 2023 in Norway**. I lead the **Machine Vision** team and, am also a supporting member for **Path Planning**.
- • CS982: **Big Data** Technologies • DM996 Intelligent, Sensing, Reasoning & **Deep Learning** • CS985 **Machine Learning for Data Analytics** • CS412 **Information Access & Mining** • EE969 **Digital Signal Processing**

### B.E. in Electronics and Telecommunication, University of Mumbai, India – September 2018 – June 2021

- CGPA: 7.16

## Achievements:

- **Citation as a State Level Full Stack Developer (Full Stack Developer)** in **COVID 19 National Bioinformatics Online Hackathon** was nearly three months Hackathon organised by **Anna University in collaboration with AICTE (All India Council for Technical Education)**.

## **Technical Projects:**

### **Predicting Human Disease using Genomic Data | [GitHub](#)**

- Predicting Heart Disease, Type II Diabetes, Alzheimer, Parkinson and Obesity using **Up-Sampling methods ADASYN (Adaptive Synthetic) and SMOTE (Synthetic Minority Over-Sampling technique)**.

### **Electronic Circuit Assessment using YOLO | [Demo](#)**

- Assessing Electronic circuit boards using **computer vision** with the help of a pre-trained **CNN** model called YOLO.

### **Music Genre Identification | [GitHub](#)**

- Building a Neural Network model to **classify an audio file (.wav) and identifying the genre class**.

### **Web Scraping classic literature novel | [GitHub](#)**

- Web scraping and NLP to find the most frequent words in one of two pieces of classic literature: Herman Melville's novel, Moby Dick

### **Virus Baba Web Application and Android Application for COVID - 19 using Django 3.0.5, Java, XML | [Django Video](#) , [Demonstration Link](#), [Android Video](#) , [Android Application Package\(APK\)](#)**

- A Mobile Responsive Web Application and an Android Application which **provides a variety of essential services to the Indian user in this pandemic (COVID-19)**.

### **Speech Translator from English to Hindi | [GitHub](#)**

- Real-time English speech translated to Hindi through a program written in Python.

### **Sahaay Android Application | [Video](#) , [GitHub](#)**

- Sahaay is an Android application built to connect a variety of **NGO's (Non-Governmental Organization's) at one place** to make donations.

### **Nileshell | [GitHub](#) , [Demonstration Link](#)**

- Developed **my very own shell script (.sh file)** which could fairly perform functions as similar as a command prompt.

### **Dynamic Data Visualization using Tableau Software| [My Tableau Work](#)**

- Developed **dynamic visualizations, dashboards** and **story** of meaningful data using BI Tool Tableau Public.

## **Training and Certifications:**

- **'Post Graduate Certification in Data Science and AI'** from 'Edvancer Eduventure, Mumbai' (Dec 2019 – August 2021).
- **'Neural Networks and Deep Learning'** by 'deeplearning.ai' on Coursera (Jan 2021).
- **'Certified Business Analytics Professional in R'** from 'Edvancer Eduventure, Mumbai'(Dec 2019 – Feb 2020).
- **'Certified Deep Learning Expert'** from 'Edvancer Eduventures, Mumbai'.
- **'Certified Tableau Professional'** from 'Edvancer Eduventure, Mumbai'.
- **'Certified Data Analyst using SQL'** from 'Edvancer Eduventure, Mumbai'.

## **Publications:**

- [Android Application and Django based web application to combat COVID-19 in India](#) in the Journal of Emerging Technologies and Innovative Research – Published Paper ID: JETIRFD06018.
- [Electronic Circuit Assessment using Machine Learning \(ML\)](#) in the International Journal of Engineering Research & Science (IJOER)
- [S.H.A.K.T.I. \(System for Home Automated Kitchen Technology Integrated\)](#) in the International Journal of Engineering Research & Science (IJOER) - DIN: IJOER-NCRENB-MAR-2020-155