Name: [Nilesh.D. Ohol](#) | London, U.K.   [GitHub](#) | [LinkedIn](#) | [Interactive CV](#) | [Tableau](#)| [Qwiklabs](#)
Contact Details: [nilesh_ohol@outlook.com](#) | +44-7442003317   Python, Java, R, C++, SQL, Tableau, GCP & AWS

Experience:

Professional Lecturer for IIM, upTop – 7th November 2021 – 9th November 2022

- o 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.
  - • Lean Operations Management.
  - • Strategic Human Resources Applied Analytics.
  - • Supply Chain & Logistic Management Applied Digital Transformation & Analytics

Corporate Trainer, ResponseNET Consultancy - 24th June 2021 – 08th August 2021

- o 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.
- o 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)**.
- o 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 - 20th June 2020 – 29th July 2020

- o 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.**
- o [**Writing articles**](#) on the Machine Learning model and providing its **tutorial with open-source code** and output.

Education:

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

- o 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**.
- o • 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

- o Member of [**IETE**](#) **(The Institution of Electronics and Tele-communication Engineers – Recognised by Govt. of India)**, Volunteered as an Event Coordinator.

Achievements:

- o Managed to receive [**Citation as** a State Level Full Stacker (**Full Stack Developer**)](#) which was given to **Top 50 team out of 1500** 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](#)

- o 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](#)

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

Music Genre Identification | [GitHub](#)

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

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

- o 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)](#)

- o 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](#)

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

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

- o 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](#)

- o 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](#)

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

Training and Certifications:

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

Publications:

- o [**Predicting Human Disease using Imbalance Genomic Dataset (ADASYN and SMOTE),**](#) Unpublished.
- o [**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.
- o [**Electronic Circuit Assessment using Machine Learning (ML)**](#) in the International Journal of Engineering Research & Science (IJOER)
- o [**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