

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:**

### **Digital and Technology Solution (MSc) Apprenticeship Coach, QA Limited London U.K. | March 2023 - Present**

- Certified Coach guiding **enthusiastic professionals from big tech companies and UK government** to complete their high standard **Level 7 (Digital and Technology Solutions Specialist) apprenticeship by developing their Knowledge, Skills & Behaviour.**
- More than 80% of Apprentices are on track to successfully complete their apprenticeship in a variety of IT Domains like **Data Analytics, Software Engineering, Cybersecurity, Cloud Computing, Enterprise Architecture and DevOps.**
- Participated in the staging phase of the new internal **IT business System** (Canvas) to enhance operational efficiency. **DBS Cleared.** Can provide further details on request.

### **Machine Vision and Sensor Fusion Engineer, Marine Robotics Society U.K. | May 2022 - Present**

- Led the **Computer Vision** team to develop Machine Learning model to recognise environmental features and autonomous operations using PyTorch.
- Also, a supporting member for **Path Planning in Marine Robotics Society** for an **International AI (Artificial Intelligence)** event.
- Build foundational software of the ASV (Autonomous Surface Vehicle) using **Python and C++** on **Arduino and NVIDIA Jetson.**

### **Data Trainer, the Knowledge Academy U.K. | February 2023**

- Delivered one-day on site session on **MATLAB Masterclass** with the professionals at **Renishaw, Gloucestershire U.K.**
- Shared my informative understanding about **Programming Fundamentals, Data Analysis to creating Data Visualizations** using **MATLAB.**

### **Professional Lecturer for IIM, upTop | November 2021 – November 2022**

- 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 one of the most renowned Business School 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 | June 2021 – August 2021**

- 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: OOP's Concepts, Data Structures, Searching and Sorting Algorithms and Database Management Systems – 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 - Intern, CodeSpeedy Technology Private Limited | June 2020 – 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.

## Education:

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

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

- Member of [IETE](#) (The Institution of Electronics and Tele-communication Engineers – Recognised by Govt. of India),

## Achievements:

- **Secured 4<sup>th</sup> place overall and a “Sportsmanship Award” at NJORD – The autonomous Ship challenge 2024** in Trondheim, Norway.
- **Won the “[Team Spirit Award](#)” at the Njord- The autonomous ship challenge 2023** organised by the **Norwegian University of Science and Technology (NTNU)** in Norway.
- Managed to receive [Citation as a State Level Full Stacker \(Full Stack Developer\)](#) which was given to **Top 50 team out of 1500** in a nearly three months Hackathon organised by [Anna University in collaboration with AICTE](#) (All India Council for Technical Education).

## Technical Projects:

**Dialogue Summarization using Generative AI in AWS | [GitHub](#)**

- Dialogue Summarisation using **Zero Shot, One Shot and Few Shot Inference**.

**Autonomous On-surface Ship | [GitHub](#), [News Article](#)**

- Built an ASV (Autonomous Surface Vehnicle) using **NVIDIA Jetson and Arduino Uno**. Got featured in [Norway](#).

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

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

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

- Assessing Electronic circuit boards through **computer vision** using a **CNN** model called YOLO.

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

- Predicting **Genre using audio file** (.wav).

**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)**.

## Training and Certifications:

- **“Generative AI with Large Language Models”** and **“Neural Networks and Deep Learning”** by DeepLearning.AI
- **“Foundation Certification in Cyber Security”** at QA Limited.
- **‘TCS certified AI Designer’**
- **‘Post Graduate Certification in Data Science and AI’** from ‘Edvancer Eduventure, Mumbai’
- **“Create and Manage Cloud Resources”** and **“GKE and Anthos”** by Google Cloud Platform (GCP).
- **‘Certified Business Analytics Professional in R’** from ‘Edvancer Eduventure, Mumbai’
- **‘Certified Deep Learning Expert’, Certified Tableau Professional’ & ‘Certified Data Analyst using SQL’** from ‘Edvancer Eduventures, Mumbai’.
- **“Getting Started with AWS Machine Learning”** by AWS (Amazon Web Services).