

THOMAS DEVASIA

London | +447436856148 | tdevasia1997@gmail.com | www.thomasdevasia.com | linkedin.com/in/thomas-devasia1997/

Education:

MSc Data Science and Analytics

2021-2022

Cardiff University

Notable Projects: Stock market price predictions

Merit

Bachelor of Engineering in Computer Engineering

2015-2019

St Vincent Pallotti College of Engineering and Technology

Merit

Employment history:

Ynoox GmbH

Software Engineer,

02/09/2020 – 31/08/2021

- Developed an automation system for daily Short-Term Investment Fund (STIF) movements, streamlining processes for a Swiss-based asset management client with coordination across 45 custodians.
- Designed and implemented advanced Excel models to optimize Asset Liability Management strategies, enabling more accurate forecasting and risk assessment.
- Engineered innovative tools to automate the calculation of trade costs, significantly improving operational efficiency and accuracy in financial analysis.
- Developed and presented quarterly PPTs highlighting our tools to the clients, showcasing all the success and error reductions.
- Collaborated on building a document classifier model to classify PDF documents containing transactions and a custom entity extraction model to extract information from document texts using the BERT Machine Learning model, Python, NLP and Spacy.
- Created Pdf4me automation modules for Integromat and Zapier.

Ynoox GmbH

Software Engineer Intern,

03/02/2020 - 1/09/2020

- Successfully Designed and Published an Automation tool for QNAP's NAS using Python, Django Framework, SQL, JavaScript, Linux Shell Scripting, and Docker. Thus, automating the task for the user and saving time.
- The app was packaged and published on QNAP's App Store.

Academic Projects and Other Projects:

Denoising of Radar Images, Cardiff University

2022

MSc Dissertation project

Cardiff, Wales

- Successfully Completed my thesis on "Deep unsupervised denoising of radar images" using a Deep Convolution Neural Network in PyTorch.

Predicting Stock Prices, Cardiff University

2022

MSc project

Cardiff, Wales

- Predicting stock prices using an LSTM Machine learning model. The model was Trained against the historical Stock prices of the company.

St Vincent Pallotti College of Engineering and Technology

2018-2019

Bachelor's Final year project

Maharashtra, India

- Collaborated with a team to work on a Gesture-based keyboard using Arduino.
- Successfully wrote the Arduino codes for the Arduino Nano microcontroller and created an ML model to identify the gestures and predict the words.
- Oversaw the project's work and assigned the team's respective roles.

Airport Authority of India, Nagpur

2017-2018

Bachelor's Third-year project (Industrial project)

Maharashtra, India

- Collaborated to Create a centralised log system for ATCO officers of Airport Authority India.
- The role included building the backend for the project using PHP, JavaScript and MySQL.
- Developed a presentation on how to use the software to help them get started with the software.

Outlook Mail Automation:

- Developed an Outlook Mail Automation tool using Python and Microsoft Graph API, streamlining the process of searching and managing emails and attachments within the inbox.
- Enhanced operational efficiency by automating actions on incoming emails, facilitating timely and effective responses to critical communications.

Professional skillset:

Programming Languages: Python, R, JavaScript, TypeScript, Java, PHP, SQL, HTML, CSS, C++, Linux Shell Scripting

Skills & Miscellaneous Technologies: Docker, Azure, Heroku, Scikit-learn, NumPy, Pandas, React, Redux, Node JS, Webpack, Django, Flask, D3, MongoDB, PostgreSQL, MySQL, GraphQL, Sass, Tailwind CSS, TensorFlow, PyTorch, Deep Learning, Git, Tableau, Restful API, Dash, FAST API, Beautiful Soup, Selenium, Agile(Scrum), Systems design, Nginx, Linux shell scripting, bash, Excel, PPT