THOMAS DEVASIA

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Education:

2021-2022 MSc Data Science and Analytics
Cardiff University

2015-2019 Bachelor of Engineering in Computer Engineering
St Vincent Pallotti College of Engineering and technology

Employment history:

Ynoox GmbH — **Kerala, India**
Software Engineer, — *02/09/2020 – 31/08/2021*

- Worked on a document classifier model using BERT an NLP model to classify the documents.
- Built a custom entity extraction model using Python, NLP and Spacy to extract information from document texts.
- Collaborated on building Node JS, React, Webpack JavaScript and Python-based web applications as per client's requirements.
- Providing support to customers by resolving any bugs and adding new features to the application. Thus enhancing the experience.
- Using Postman to create Postman API Collections to access various Features.
- Fixing issues in the python Libraries.
- Creating Pdf4me automation modules for Integromat and Zapier.

Ynoox GmbH — **Kerala, India**
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 to save time.
- The app was packaged and published on QNAP's App store for other NAS to download.
- Also creating documentation for the Application.

Airport Authority of India, Nagpur — **Maharashtra, India**
Bachelor's Third year project (Industrial project) — *2017-2018*

- Collaborated to Create a centralized log system for ATCO officers of Airport authority India.
- The role included building the backend for the project using PHP, JavaScript and MySQL.

Academic Projects:

Cardiff University — **2022**
MSc Dissertation project — *Cardiff, Wales*

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

Cardiff University — **2022**
Stock Price Prediction — *Cardiff, Wales*

- Successfully built a LSTM model to predict the stock prices based on the previous stock data using TensorFlow for Python.

Cardiff University — **2022**
Visualizing Nobel Laureate Trend — *Cardiff, Wales*

- Created a Dashboard to visualize the trend in the Nobel laureate over the years using Python, Dash, JavaScript and Plotly.

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 Arduino Nano microcontroller and created an ML model to identify the gesture and predict the words.
- Oversaw the working of the project and assigned the respective roles for team.

Other Projects:

Willis Towers Watson (costs automation)

- Assisted a WTW analyst with Python / Azure project they were working on.
- Built a script to search for relevant mails and extract relevant information from pdf and excel attachments using Microsoft's Graph API, Python and FAST API. These details where then used to calculate and update excel sheets, PDF's and then uploaded to relevant destinations.

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- This script was deployed on Microsoft Azure function as a serverless application. Then later it was made available as a custom connector on Microsoft's Power Automate platform. The new software saved analysts and associates a significant amount of time by automating many of the tasks they previously had to perform manually.

Portfolio website

- The portfolio website acts as an extension to my resume with the aim of showcasing my skills and projects using React, Node JS, and SCSS.
- The website is then hosted on Linode's cloud server using Ngnix.

Gitignore Generator

- A VS Code extension that generates '.gitignore' file for the project. The extension uses the gitignore.io API and VS Code extension API.

Outlook Search attachment

- This project automates the task of searching for relevant attachments inside the emails in Outlook using Microsoft Graph API, Python and REST.

Manga Downloader automation

- This simple python script downloads the different chapter of a manga as per the user's requirement using Beautiful Soup and Selenium.

Harry Potter Network

- This project uses Python's Network X Library to create a graph of all the characters in Harry Potter's novel to see how they are related with each other.

Professional skillset:

Programming Languages: Python, R, JavaScript, TypeScript, Java, PHP, SQL, HTML, CSS, C++, Linux Shell Scripting
Skills & Miscellaneous Technologies: Docker, Scikit-learn, NumPy, Pandas, React, Redux, Node JS, Webpack, Django, Flask, D3, MongoDB, PostgreSQL, MySQL, Sass, Tailwind CSS, TensorFlow, PyTorch, Deep Learning, Git, Tableau, Restful API, Dash, SciPy, Statsmodels, PySpark, FAST API, Beautiful Soup, Selenium, Agile(Scrum)