

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 <i>Software Engineer,</i>	Kerala, India <i>02/09/2020 – 31/08/2021</i>
<ul style="list-style-type: none">• Worked on a document classifier model to classify PDF documents and a custom entity extraction model to extract information from document texts using BERT, Python, NLP and Spacy.• Collaborated on building Node JS, React, Webpack JavaScript and Python-based web applications as per client's requirements.• Fixing issues in the Python Libraries.• Created Pdf4me automation modules for Integromat and Zapier.	
Ynoox GmbH <i>Software Engineer Intern,</i>	Kerala, India <i>03/02/2020 - 1/09/2020</i>
<ul style="list-style-type: none">• 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:

Willis Towers Watson (automation: STIF entries, Position recon, Trade Costs & Matching)
<ul style="list-style-type: none">• Assisted a WTW analyst with Python / Azure project they were working on.• Developed multiple scripts utilizing Microsoft's Graph API, Python, and FAST API to streamline various automation tasks, including searching for files in mails, extracting information from PDFs and Excel files and employing this data for calculations, updates, and modifications of Excel and PDF files, and converting data to JSON and XML formats.• The script was deployed on the Microsoft Azure Functions platform as a serverless backend application. Later, it was seamlessly integrated as a custom connector within Microsoft's Power Automate platform to enhance relevant workflow processes. This innovative software significantly reduced the workload for analysts and associates by automating tasks that were previously carried out manually, resulting in substantial time savings.

Cardiff University <i>MSc Dissertation project</i>	2022 <i>Cardiff, Wales</i>
<ul style="list-style-type: none">• Successfully Completed my thesis on "Deep unsupervised denoising of radar images" using Deep Convolution Neural Network in PyTorch.	

St Vincent Pallotti College of Engineering and Technology <i>Bachelor's Final year project</i>	2018-2019 <i>Maharashtra, India</i>
<ul style="list-style-type: none">• 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 gesture and predict the words.• Oversaw the working of the project and assigned the respective roles for the team.	

Airport Authority of India, Nagpur <i>Bachelor's Third-year project (Industrial project)</i>	Maharashtra, India <i>2017-2018</i>
<ul style="list-style-type: none">• 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.	

Other Personal projects:

- Portfolio Website: <https://github.com/thomasdevasia/portfolio>
- Gitignore Generator: <https://github.com/thomasdevasia/manga-downloader>
- Manga Downloader: <https://github.com/thomasdevasia/gitignoregenerator>

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