Alaguraaj Vellakinaru Haridass

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RESUME

PERSONAL INFORMATION

Date of Birth:	02.09.1992, Coimbatore
Nationality:	India
Marital status:	Single

EDUCATION

04/2015 – 06/2020   **M.Sc. Computational Mechanics**   (Note:1.9)
University Duisburg-Essen

07/2010 – 05/2014   **B.Eng. Maschinenbau**   (Note:1.9)
Anna University, Chennai, Indien

WORK EXPERIENCE

05/2020 – 06/2020   **Portfolio page website with HTML and CSS**
Student online project (Udemy)
- A multi-page website from the Blitz template
- Structuring the homepage and other information using HTML and adding a style to the website using CSS.

03/2020 – 04/2020   **Sentiment classifier with functions**
Student online project (Coursera)
- Software development
- Python script for creating Twitter data from local machine and creating a graph in Excel

12/2019 – 01/2020   **Adventure game in python**
Student online project (Udacity)
- The task is to create a simple version of an old-fashioned text based adventure game.

10/2019 – 11/2019

Animal trading cards with HTML and CSS
Student online project (Udacity)
- It is a simple workflow front-end web developer projectt

ACADEMIC-PROJECT

01/2020 – heute

Computer language for Engineers
University Duisburg-Essen
- Calculating Rotational Mass for bending moments of combined profile with Python and c++ using Object Oriented Principles
- Implementation of a cross-platform user interface for the profile geometry
- Render the profiles in a 2D space

11/2019 – 04/2020

Analysis of structures
University Duisburg-Essen
- Python scripting for Abaqus for the automation of statics, buckling and frequency analysis of a single-span girder (combined profile))

WORK EXPERIENCE

10/2018 – 06/2019

Bayerische Elektrische Maschinen GmbH,Ingolstadt
Position: Master Thesis
Area: Development, construction and simulation
- 3D CFD flow simulation heat transfer and analysis of the electric-motor component temperature and evaluation of the simulation results.

Thema: Numerical Investigation of the Thermal Performance of PM Electric Motor

04/2018 – 09/2018

Bayerische Elektrische Maschinen GmbH,Ingolstadt
Position: Internship
Area: Development, construction and simulation
- 3D-CAD design and creation of the 2D technical drawings of electromechanical and mechanical components and Assemblies.
- Automation of the workflow for the file-screening bases on the input parameters with the Python platform

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PERSONAL SKILLS

Language

English	Fluent
German	Good
Tamil	Mother Tongue

EDV

Design Software	Solidworks	Very good
	Pro-E, Catia	Basic knowledge
Testsoftware	Flowsimulation, Star-CCM+	Good
	Ansys	Basic knowledge
Programming	Python	Good
	C++, HTML,CSS,JavaScript	Basic knowledge
	Github	Basic knowledge
Word processing	Latex, Microsoft Word	Very good
Presentation program	Microsoft Powerpoint	Very good
Spreadsheet	Microsoft Excel	Good

Hobbys   Cricket, Football, Formula 1, Tennis, Cooking

Gelsenkirchen,

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