

# Curriculum Vitae

## Abhishek Dhiman

### Personal details

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Contact No.: +46793579067, +919662667244  
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Location: Linköping University, Sweden  
Date of Birth: 18<sup>th</sup> July 1996  
LinkedIn: <https://www.linkedin.com/in/asabhishek09/>  
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GitHub Profile: <https://github.com/sigmasix09>

### Education

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**Master Thesis (MSc Aeronautical) at Siemens Energy AB** **Finspang, Sweden**  
Topic: [Nearest Neighbour Search Method for 3D Data Mapping of CFD Data](#) Jan 2024 to June 2024  
Heat transfer analysis, ABAQUS subroutine and Fortran programming, search algorithm development

**Master of Science in Aeronautical Engineering (2 years, 120 credits)** **Linköping, Sweden**  
[Linköping University, Sweden](#) (abh352@student.liu.se) August 2022 to June 2024

**Bachelor of Aeronautical Engineering** **Bengaluru, India**  
[Dayananda Sagar College of Engineering](#) [Grade: 74.30 % CGPA: 7.82 / 10.0] August 2014 to July 2018  
Thesis: “Analysis of Shockwave Boundary Layer interaction & Assessment of Passive Flow Control Device”.

### Professional Experience

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**Accenture** **Bengaluru, India**  
**Senior Software Engineer: Python Developer (Google Cloud Platform)** June 2021 to August 2022

- Development of Flask APIs to interact with Graph DB to perform CRUD operations (sparql queries).
- Assisting and enhancing the creation of RDF ontologies for the datasets and medical dictionaries.
- Worked on vulnerabilities fixes in parallel with on-going releases and learned multiple technologies.
- Development and Enhancement of Accenture Data Catalog API services using Flask and Python.
- Backend Development of API wrapper to enhance the component functionality and performance.
- Incorporating HTTP security headers with API wrappers to mitigate security vulnerabilities.
- Profiling and analyzing the code to increase performance and reduce time complexities.
- Helping team with preparation of user stories and conducting KT sessions for the new re-sources.
- Upgrading the Dead Lettering Queue (DLQ) code scripts i.e., Accenture extension for GCP Pub/Sub.
- Ensuring successful deployments of DLQ utility for clients and assisting in end-to-end testing.

**Software Engineer: Test Engineering Analyst** August 2018 to June 2021

- Management and leadership of Selenium-Python automation for Accenture INTIENT Platform
- Achievement of more than 50% automation for the corresponding release.
- Condensation of automation code templates written in Selenium-Python for the team, increasing the team efficiency by 40% and reducing the deliverable time by 30%.
- Development of automation script to verify employee training status, reducing manual efforts by approximately 60% - 75%.
- Performed in many releases of Rave Adapter, Data Ingestion, Import Export Utility, TechStack Upgrade etc. and given many hot fixes with Rework efforts less than 3% for all the releases.
- Designed code snippets for specific complex automation flows and functionalities of application specific modules, increasing release completion time by 30%.
- Accelerated deliverable time (50% - 60%) by preparing reusable modular automation scripts.

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- Well communicative and displayed leadership qualities within the team, allowing assignment completion in time and with the best quality.

## Professional Skills

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**Technical Skills:** Python, MATLAB, FORTRAN programming, Computational Fluid Dynamics, Data Science, Analytical & Statistical skills, Software development, Python backend developer, Graph and Cloud Databases, Python-Flask, Rest APIs, Machine and Artificial Intelligence basics, Virtual reality visualization (Unreal engine), Selenium, SQL, Automation and Manual Testing

**Software and Tools:** MATLAB, Ansys Workbench, Ansys Fluent, ANSA, ABAQUS, NSC, Graph DB, PyCharm, IBM-Watson Studio, IBM cloud, Google cloud platform, Jupyter Lab, GitHub, JIRA Atlassian

## Certifications

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<b>Digitalization in Aeronautics and Space: Professional Certificate (Verified)</b>	<b>Bengaluru, India</b>
Authorized by Technical University of Munich, COURSERA	July 2021 to September 2021

<b>IBM Data Science: Professional Certificate (Verified)</b>	<b>Bengaluru, India</b>
Offered by IBM, COURSERA. Duration (11 months)	April 2021 to July 2021
<b>Project:</b> <a href="https://github.com/sigmasix09/Coursera_Capstone">https://github.com/sigmasix09/Coursera_Capstone</a>	

<b>ENGR2000X: A Hands-on Introduction to Engineering Simulations (Verified)</b>	<b>Bengaluru, India</b>
Developed by Cornell University, EDX	November 2020 to February 2021

<b>Python: Beyond the Basics, Pluralsight.</b>	<b>Bengaluru, India</b>
Python Programming, Best Practices. Duration (7.5 hours)	October 2020 to January 2021

<b>Mastering Ansys CFD (Level 1), Udemy.</b>	<b>Bengaluru, India</b>
Ansys Fluent, ICEM CFD, CFX, Tech Plot. Duration (20 hours)	August 2020 to October 2020

<b>Probability and Statistics in Data Science using Python(Verified)</b>	<b>Bengaluru, India</b>
Prepared by UCSanDiegoX, EDX. Duration (120 hours)	May 2020 to August 2020

<b>Python Developer: Zero to Mastery, Udemy.</b>	<b>Bengaluru, India</b>
Conducted by Andrei Neagoie. Duration (30.5 hours)	January 2020 to May 2020

<b>Introduction to Programming with MATLAB, Coursera.</b>	<b>Bengaluru, India</b>
Offered by Vanderbilt University, Nashville. Duration (35 hours)	November 2019 to February 2020

<b>Professional in Product Design and Analysis, CADD Centre. (ID: M160892607)</b>	<b>Bengaluru, India</b>
Catia V5, Solidworks, Ansys Workbench, GD & T workshop.	September 2016 to August 2017

## Hobbies and Interests

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Badminton, Cooking, Long walks, Watching Anime