Curriculum Vitae
Abhishek Dhiman

Personal details

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Education

Master of Science in Aeronautical Engineering   **Linkoping, Sweden**
Linkoping University, Sweden (abhdh352@student.liu.se)   August 2022 to Present

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

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.
- 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
- Led automation task using Selenium-Python for Accenture INTIENT Platform and
- Achieved 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%.
- Completed python code to automatically check training completion status of employees, 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.
- Well communicative and displayed leadership qualities within the team, allowing assignment completion in time and with the best quality.

Professional Skills

Technical Skills: MATLAB and Python programming, Computational Fluid Dynamics, Data Science, Analytical & Statistical skills, Graph and Cloud Databases, Python-Flask, Rest APIs, Selenium, SQL, Automation and Manual Testing

Softwares and Tools: MATLAB, Ansys Workbench, Ansys Fluent-CFX, Graph DB, PyCharm, IBM-Watson Studio, IBM cloud, Google cloud, Jupyter Lab, GitHub, JIRA Atlassian

Certifications

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

IBM Data Science: Professional Certificate (Verified)   **Bengaluru, India**
Offered by IBM, COURSERA. Duration (11 months)   April 2021 to July 2021
Project: https://github.com/sigmasix09/Coursera_Capstone

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

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

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

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

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

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

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

Hobbies and Intersests

Badminton, Cooking, Long walks, Watching Anime