



Yashica Saun

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About me:

Masters Student in Informatics at the Technical University of Munich currently pursuing my Master's Thesis |
Aspiring Data Scientist

WORK EXPERIENCE

08/2021 – 02/2023 Munich, Germany

WORKING STUDENT - PYTHON DEVELOPER ROHDE & SCHWARZ

As a working student, I worked for the Technical Documentation team. The documents are maintained in XML.

My main tasks involved -

1. making changes in bulk to XML documents using capabilities of Python.
2. designing custom dashboards on Adobe analytics to understand the customer demographic and behaviour related to document downloads.
3. working on XML tools and drawing softwares such as Cosima, Microsoft Visio.

Skills: Python: Relevant libraries: Pandas, Numpy, lxml; Adobe Analytics; Confluence

11/2021 – 02/2022 Munich, Germany

INTERDISCIPLINARY PROJECT STUDENT SCILYTICS

Scilytics is a platform which provides cutting edge analytical and management support to universities such that they can conduct their own bibliometric research. As a part of our Master's program, we collaborate with companies to leverage technology and assist them in achieving their objectives at a faster pace.

My contributions while working with Scilytics were as follows -

1. Designing the Home Page and Welcome Page
2. Implemented Internationalization and Localization(multi language setup for website)
3. Implemented Apollo Caching to speed-up the data access.

This partnership helped me discover how to merge my web development expertise with Data and Analytics.

Skills: React.js : Ant Design for UI Components and Visualization; TypeScript; Node.js; GraphQL

07/2017 – 02/2020 Bengaluru

ASSOCIATE SOFTWARE DEVELOPER JPMORGAN CHASE & CO.

I worked as a Python Developer at JP Morgan Chase in an Agile team. In my almost 3-year long stint, I worked for a team that supports the Traders and verifies their prices every month.

My major task involved -

1. Involved in processing of large-scale data. Responsible for data ingestion from multiple internal and external vendors, analysis of data to detect any outliers or unusual patterns, and cleaning.
2. Refactored and cleaned legacy code for better code clarity and effectiveness.
3. Ensured code reusability across multiple projects by writing loosely coupled code and use of design patterns.
4. Interacted with stakeholders to gather requirements and present the output.
5. Technologies used - Python: Pandas and Numpy, Bit Bucket for Code Management, NoSQL in-house database Hydra.

● EDUCATION AND TRAINING

04/2020 – CURRENT

MASTER OF SCIENCE Technical University of Munich

As part of the Masters program, I got the opportunity to explore various domains of Computer Science in depth. I am specializing in Software Engineering, Machine Learning and Analytics and Distributed Systems. Few of the courses I have done as part of the program are - Deep Learning, Data Analysis and Visualization in R, Cloud Computing, Distributed Systems, Blockchain.

I am currently pursuing my Master's Thesis. I am building a Web-based Travel Recommender System to design multi-day trips.

I have done the following projects at the university-

1. TutorMe - A web application built on the MERN Stack - Mongo, Express, React, Node and REST APIs. It is a Consumer to Consumer application which provides a platform for students to find private tutors.
2. Analytics Application - A web application using SAP UI5, SAP ABAP, SAP HANA and OData Services. The application provides various KPIs/ Analytics based on data from the Learning Management System of an organization.
3. Cell sequencing with D3.js - Unsupervised cluster analysis to annotate different cell types.

Field of study Informatics

07/2013 – 08/2017

BACHELORS OF ENGINEERING Bangalore Institute of Technology

As part of the Bachelor's program, I learnt core Computer Science concepts along with Data mining, Blockchain and web development technologies.

Major projects during the program were -

1. Cluster analysis using R Studio to draw conclusions on the relationship between hair-eye color of a population.
2. Weather forecasting application using Python(tkinter framework at front-end).
3. Bachelor's Thesis - Built a social media website(a mockup of twitter), and used Stacked Denoising AutoEncoder to detect and block cyber-bullying.

Field of study Information Science | **Final grade** 80%

● LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Git

Web Development and Designing

HTML5, CSS3, Bootstrap | React JS | Javascript | Node JS | Mongo

Data Science

Python | Apache Spark | Data extraction, Data preprocessing, Data visualization, Data cleaning | SQL