Yashica Saun

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🌐 **Website:** https://yashicasaun.github.io/portfolio/

📍 **Home:** München (Germany)

ABOUT ME

Masters Student in Informatics at the Technical University of Munich - currently pursuing my Master's Thesis

WORK EXPERIENCE

Working Student - Python Developer
Rohde & Schwarz [08/2021 – 02/2023]

City: Munich
Country: Germany

1. Bulk editing of XML files using Python.
2. Created dashboards on Adobe Analytics to understand customer demographic and behaviour.
3. Improved web document user experience by implementing tooltips and style changes

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

Interdisciplinary Project Student
Scilytics [11/2021 – 02/2022]

City: Munich
Country: Germany

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

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

Associate Software developer
JPMorgan Chase & Co. [07/2017 – 02/2020]

City: Bengaluru

1. Involved in processing of large-scale data. Responsible for managing data from internal and external sources, analyzing data to identify outliers and unusual patterns, and performing data 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.

Skills: Python: Pandas and Numpy; Bit Bucket; NoSQL in-house database Hydra; Jira;

EDUCATION AND TRAINING

Master of Science
Technical University of Munich [04/2020 – Current]

Field(s) of study: Informatics

Specializations - Software Engineering; Machine Learning and Analytics; Distributed Systems.
Courses - Deep Learning, Data Analysis and Visualization in R, Cloud Computing, Distributed Systems, Web Developement with MERN Stack, Design Patters.
Seminar - JavaScript Technology(Cell sequencing with D3.js) - Cluster Analysis to annotate different cell types.
Currently working on a Master's thesis project to develop a web-based travel recommender system for designing multi-day trips.

Bachelors of Engineering
Bangalore Institute of Technology [07/2013 – 08/2017]

Field(s) of study: Information Science
Final grade: 80%

Focus on core Computer Science concepts along with Data mining, Blockchain and web developement technologies.
Seminar - Cluster analysis using R Studio to draw conclusions on the relationship between hair-eye color of a population.
Bachelor's Thesis - Built a social media website(a mockup of twitter), and used Stacked Denoising AutoEncoder to detect and block cyber-bullying.

PROJECTS

TutorMe - 1-1 tutoring platform tailored to your university curriculum.

A web application built for the course Software Engineering for Business Applications at TUM. TutorMe is a Consumer to Consumer application which provides a platform for students to find private tutors.

1. Built various end-to-end features such as Creating, Editing profile on platform.
2. Implemented a payment gateway for transactions.
3. Responsible for designing the website.

Skills: MERN Stack - Mongo, Express, React, Node and REST APIs.

Learning Analytics

A web application using SAP technologies to gather Learning Analytics of various employees of MSG Global.

The application provides various KPIs/ Analytics based on data from the Learning Management System.

Skills: SAP UI5, SAP ABAP, SAP HANA and OData Services.

SMS Spam Detection

Exploratory Data Analysis, Data Cleaning, Feature Extraction and Model Training to detect if a text message is spam or not. For feature extraction, I compared CountVectorizer, TfidfVectoriser in combination with TfidfTransformer. I then built a sklearn pipeline to compare models such as - MultinomialNB, RandomForestClassifer and LogisticRegression.

Link: https://www.kaggle.com/code/yashicasaun/sms-spam-prediction-nlp

Predicting survival rate on the Titanic

Performed Exploratory Data Analysis, Feature engineering, Data Cleaning and Model selection.

Link: https://www.kaggle.com/code/yashicasaun/titanic-dataset

DIGITAL SKILLS

Software and Web Developement
React JS / Node JS / Mongo / Python

Data Science and Analytics
PySpark / SQL / Scikit -learn / Python Libraries: Numpy, Pandas, Seaborn, Matplotlib / Power BI

DevOps
Git / Docker

Cloud
AWS

LANGUAGE SKILLS

Mother tongue(s): **Hindi**

Other language(s):

English	**German**
LISTENING C2 **READING** C2 **WRITING** C2	**LISTENING** A1 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2	**SPOKEN PRODUCTION** A1 **SPOKEN INTERACTION** A1