



## Yashica Saun

**Nationality:** Indian **Gender:** Female **Phone number:** (+49) 15738159168

**Email address:** [yashicasaun@gmail.com](mailto:yashicasaun@gmail.com)

**LinkedIn:** [www.linkedin.com/in/yashicasaun](https://www.linkedin.com/in/yashicasaun)

**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 | Aspiring Data Scientist

### WORK EXPERIENCE

---

#### Working Student - Python Developer

**Rohde & Schwarz** [ 08/2021 – 02/2023 ]

**City:** Munich

**Country:** Germany

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

#### Interdisciplinary Project Student

**Scilytics** [ 11/2021 – 02/2022 ]

**City:** Munich

**Country:** Germany

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.

**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

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 tasks 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.

Skills: Technologies used - Python: Pandas and Numpy, Bit Bucket for Code Management, NoSQL in-house database Hydra;Jira;

## EDUCATION AND TRAINING

---

### Master of Science

**Technical University of Munich** [ 04/2020 – Current ]

Field(s) of study: Informatics

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.

### Bachelors of Engineering

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

Field(s) of study: Information Science

Final grade: 80%

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.

## PROJECTS

---

### 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, TfidfVectorizer in combination with TfidfTransformer. I then built a sklearn pipeline to compare models such as - MultinomialNB, RandomForestClassifier and LogisticRegression.

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

### Heart Attack Prediction

Classification task using Naive Bayes, Logistic Regression and KNN Classifier.

Link: <https://www.kaggle.com/code/yashicasaun/heart-attack-prediction-multiple-models>

### 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>

## LANGUAGE SKILLS

---

Mother tongue(s): **Hindi**

Other language(s):

**English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

**German**

**LISTENING A1 READING A1 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

## DIGITAL SKILLS

---

**Web Developement and Designing**

HTML5, CSS3, Bootstrap / React JS / Javascript / Node JS / Mongo / Git

**Data Science**

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