

# Saurabh Nair

## Machine Learning Engineer

Passionate and enthusiastic person who is always encouraged to communicate with data and provide insights to the stakeholders with better presentations.



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## WORK EXPERIENCE

### Workstudent Machine learning Engineer EPG Ehrhardt Partner Group

04/2022 - Present Boppard, Germany

Automate warehouse management system

Data Analysis and Machine learning

- Automated Collecting, Processing the Storing the data using MySQL (ETL).
- Analysis on the working pattern in the warehouse.
- Developed a multi-output machine learning model using the sci-kit learn and TensorFlow for making the forecast and strategy which reduce the workload and paperwork by 25%.
- Deployment on the server using a Docker container for easy access.

### Student Research Assistant University of Koblenz

11/2022 - 03/2023 Koblenz, Germany

Achievements/Tasks

- Graded and prepared assignments for the students.

### Software developer Intern St. Xaviers College

04/2019 - 03/2020 Ahmedabad, India

Education institute which provides bachelors and master courses with software development

iOS Application Developer and Data Analysis

- Developed iOS mobile application for the whole university to have a seamless interaction between teachers, students, and administrative staff which leads to digitalization in the field of education.

## EDUCATION

### Masters In Web and Data Science University of Koblenz

04/2021 - Present Koblenz, Germany

Courses

- Big Data
- Machine Learning
- Data Science
- Web information retrieval

### Bachelors in Computer Applcation St Xaviers College

05/2017 - 04/2020 Ahmedabad, India

Grade 1.6

- Python
- C++
- Java
- Project Management

## SKILLS

Agile Python Machine Learning  
Data Anlysis PowerBi Tableau Docker  
AWS SQL Communcation skills Hard working  
Puntual Scrum Jira Confluence

## PERSONAL PROJECTS

### Stock Price Forecasting (02/2023 - Present)

- Performed real-time ingestion of data using API's.
- Data analysis using python libraries and developed a Tensorflow-based LSTM multi-output model for predicting the amazon stock price.
- Deployed on the server using docker container and data insertion in AWS S3 bucket.
- Currently creating a dashboard on PowerBi for better visualization of forecast.

### Pneumonia detection system (11/2022 - 01/2023)

- Developed system which can detect the Pneumonia from the X-ray images.
- Developed the deep learning model (CNN) using Tensorflow.
- Developed interactive frontend for the users using streamlit.

### Research paper "Job Description Analysis" (03/2023 - Present)

- Currently scrapping data from best Job search websites.
- Further process are to preprocess data using NLP techniques.
- Analysis of data using python libraries for finding the most required topics currently in the market of data analysis, data engineering, and data science across the globe.

### Research paper "Web scales" (04/2022 - 10/2022)

- Performed research on developing ontologies as a base for developing web applications similar to ChatGPT.
- Data extraction and aggregation of contents from various websites using python libraries for web scrapping.

## LANGUAGES

English Full Professional Proficiency  
German Elementary Proficiency  
Hindi Full Professional Proficiency

## INTERESTS

Badminton Hiking Trekking Cycling