

Saurabh Nair

Machine Learning Engineer

Data science student who is dedicated and passionate about using data to generate insights and find solutions to challenging issues.



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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

- Implementing Deep Learning and Machine Learning techniques to accurately forecast product demand and optimize workers accordingly, in result reduced the operational cost by 25%.
- Deployment on the cloud by containerizing it using docker.
- Utilizing Agile methodologies such as Scrum to prioritize and deliver features in a timely manner.

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 Xavier's College

05/2017 - 04/2020 Ahmedabad, India

Grade 1.6

- Python
- C++
- Java
- Project Management

SKILLS

Agile

Python

Machine Learning

Data Analysis

Power BI

Tableau

Docker

AWS

SQL

Communication skills

Hard working

Punctual

Scrum

Jira

Confluence

PERSONAL PROJECTS

Credit Card Payment option Predictor (03/2023 - 04/2023)

- Developed and implemented the system using a machine learning CI/CD model. Utilized Docker for containerization and Microsoft Azure for deployment to create a scalable and reliable solution.
- Developed ETL pipelines from Microsoft Azure SQL database to extract, transform, and load data into the database, ensuring data quality and consistency.

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 front-end 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