Saurabh Nair
Machine Learning Engineer

Passionate to automate the process.

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WORK EXPERIENCE

Work student Machine learning Engineer
EPG Ehrhardt Partner Group

04/2022 - Present   *Boppard, Germany*
Automate Supply Chain
Achievements/Tasks

- Building CI/CD pipeline for machine learning to forecast demand and optimizing workers allocation.
- Deploying model using Docker containerization on the cloud infrastructure.
- Monitoring the prediction using A/B testing.
- Developed dashboards for presenting important KPIs to stakeholders.
- Creating an automated pipeline for data retrieval, cleaning, manipulation from SQL server, and performing Exploratory Data Analysis.
- Working in Agile Scrum Methodology with an international team and timely delivery of tasks.

Research and Teaching Assistant
University of Koblenz

11/2022 - 03/2023   *Koblenz, Germany*

Software developer Intern
St. Xavier's 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 seamless interaction between students, and technical, and non-technical staff.
- Designed backend architecture with MySQL and NoSQL database using php.
- Built admin dashboard using CSS, HTML, and JavaScript.

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 Applciation
St Xavier's College

05/2017 - 04/2020   *Ahmedabad, India*
Grade 1.6

- Python
- C++
- Java
- Project Management

SKILLS

Data Science · Deep Learning · TensorFlow · PyTorch · Matplotlib · Numpy · Pandas · Python · Statistics · Java · Data Analysis · Data visualization · ggplot2 · Spark · Power BI · Jira · Confluence · Git

PERSONAL PROJECTS

Car Price Prediction (04/2023 - 05/2023)
- CI/CD architecture with regression and statistical models.
- Automated data ingestion, preprocessing, and deployment on AWS EC2 instance using AWS ECR, and GitHub actions.
- Analysed data using PySpark and plotly.

Credit Card Payment option Predictor (03/2023 - 04/2023)
- Containerized the classification models using docker and deployed them on Microsoft Azure.
- Data retrieval and analysis of data using Azure MySQL database and seaborn.

Research paper "Job Description Analysis" (03/2023 - Present)
- Actively scraping top job posting websites for data retrieval.
- NLP based data preprocessing and Python-based data analysis to identify current global demand.

CERTIFICATES

Machine learning (07/2020)

Python Programming (02/2023)

Data Analysis With R programming (04/2023)

Agile Project Management (05/2023)

LANGUAGES

English
Full Professional Proficiency

German
Limited Working Proficiency

Hindi
Native or Bilingual Proficiency