

# Mansoor Nabawi

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With a Master's degree in Data Analytics from Universität Hildesheim and a rich background spanning academia, Bosch, and startups, I bring expertise in Data Science, Machine Learning, and Deep Learning.

## Skills

### Proficient in

- Computer Vision
- Data Analysis
- Data Visualization
- Python
- Pytorch
- OpenCV
- PostgreSQL
- Numpy
- Pandas
- Scikit-learn
- Matplotlib
- Scipy

### Familiar with

- C++
- Bash
- NLP
- Apache Hadoop/Spark
- AWS
- Dash
- Plotly
- Jira
- Github Actions
- PowerBI, Tableau

## Experience

AUG 2023 - FEB 2024 **Master's Thesis Student (Masterand)**

**Robert Bosch GmbH**  
Hildesheim, Germany

- Developed novel approaches for 2.5D Vehicle Detection with L-shape polygons.

- Created a 2.5D dataset from 3D KITTI dataset.

- Proposed new evaluation metrics for the 2.5D Vehicle Detection.

- Created dashboards and visualizations.

- Analyzed prediction results and Computer Vision tasks.

DEC 2022 - JUL 2023 **Working Student Evaluation of Automated Driving Assistance**

**Robert Bosch GmbH**  
Hildesheim, Germany

- Data preprocessing, quality check, feature engineering.

- Improving churn prediction by 20% using ensembles, boosting and stacking techniques, and finding churn reasons using segmentation and customer journey mapping.

- Performing Seasonality Detection and finding periods in which clients have seasonal effects instead of churning.

- Proposing new ideas on solving problems.

- Active participation in meetings to further develop the business strategy of the startup.

DEC 2021 - AUG 2022 **Working Student Data Science**

**actio GmbH (formerly insightsON)**  
Paderborn, Germany

- Helping with class organization and answering students' questions regarding the class materials.

- Reading and implementing scientific papers.

OCT 2021 - NOV 2021 **Student Assistant Data Analytics**

**Universität Hildesheim**

JAN 2019 - JUL 2020 **Chief Operating Officer & Co-Founder**  
**Retina Corps**

- Responsible for managing a team of six employees in a digital marketing startup.
- Helping employees to gain the right knowledge and information.

FEB 2018 - FEB 2019 **Web Designer**  
**Freelance**

- Designed websites using WordPress, HTML and CSS.

## Education

OCT 2020 - MAR 2024 **MSc. in Data Analytics**  
**Universität Hildesheim**  
*Hildesheim, Germany*

- M.Sc. Thesis: 2.5D Vehicle Detection with L-shape Polygon. Thesis grade: 1.3
- Student Research Project: Art pieces from GANs, reaching 1st place in a Kaggle challenge.
- Important coursework: NLP, Time Series, Planning and Optimal Control, Survey Sampling, Machine Learning, Advanced Machine Learning, Big Data Analytics, Modern Optimization Techniques, Distributed Data Analytics.

SEP 2015 - FEB 2020 **BSc. in Computer Engineering-Software**  
**IAU-TNB**  
*Tehran, Iran*

- B.Sc. Thesis: Online movie recommender system using Apache Spark. Thesis Grade: 1.0
- Important coursework: Advanced Programming, Data Structure, Database, Software Engineering, Artificial Intelligence and Intelligent Systems, Software Testing, Computer Networks, Object-oriented System Design.

## Certificates

- **Introduction to TensorFlow for AI, Machine Learning, and Deep Learning.** Coursera 12/2021.
- **Machine Learning, Stanford University.** Offered through Coursera 12/2019.
- **IBM Data Science Professional Certificate.** Coursera 10/2019.
- **Big Data.** Jahad-e-Daneshgahi Sharif 08/2019.

## Honors & Awards

- **Landesstipendium Niedersachsen** - from 10/2023 to 03/2024.
- **Deutschlandstipendium** - from 10/2021 to 10/2023.

## Languages

- **German** – B1
- **English** – C1
- **Farsi/ Persian** – C2
- **Arabic** – A1

## References

- **Alexander Lengsfeld**, Robert Bosch GmbH, alexander.lengsfeld@de.bosch.com
- **Muhammad Abdur Rafae**, Universität Hildesheim, rafaem@uni-hildesheim.de
- **Andre Stohlans**, acto GmbH: 0152 09101309