

Abhishek Tiwari

Freiberg, Saxony, Germany | +4915208700968 | Tiw.abhishek04@gmail.com
Linkedin.com/in/tiwabhi04 | Tiwabhishek.github.io | Github.com/tiwabhishek | Kaggle.com/tiwabhishek

PROFILE

Talented and passionate data scientist with experience in machine and deep learning models. Tech-savvy innovator with hands-on experience in emerging technologies and a passion for continuous improvement

SKILLS

Data structures and algorithms, Data Visualization, Big Data/Database.

Programming languages

- Python
- PySpark
- SQL
- Relational Database
- Non-relational Database

Machine Learning

- Scikit-Learn
- Xgboost
- LGBM Classifier
- Arima/Arma
- Natural Language Toolkit

Deep Learning

- Deep Neural Network
- Recurrent Neural Network
- Convolutional Neural Network
- Tensorflow Keras
- Pytorch

IDE-Code Editors

- Anaconda-Jupyter
- Pycharm
- VS Code
- Nano
- Google Collab

Data Analysis

- Tableau
- Power Bi
- Matplotlib
- Seaborn
- Pandas
- Numpy
- Google Analytics

Management methodology tools

- Jira
- Scrum
- Agile

Networking and Web-Development

- CCNA Certified
- Flask
- Streamlit
- Django
- Postman
- AWS infrastructure

Modeling

- Geographic Information System
- Feflow
- Auto-Cad
- Catia

Language and Other Skills

- English
- German
- Hindi
- MS. Office Suite
- Environmental science
- Business management
-

PROJECTS

Milestone Project

- Weather forecasting project: (daily rain forecast) in Australia.

Berlin Rent Prediction

- A fully functional website hosted on an AWS ec2 server that predicts rent for different apartment types in several locations in Berlin (Predictor: Xgboost).

Footballer Image classifier.

- A fully functional website that uses photos to classify football players (Classifier: SVM).

Microsoft Power Bi sales analysis project.

- A Microsoft Power BI, Dashboard showing information regarding sales of A company over 4 years (2017-2020), Consist of 5 slides named as Overview, Yearly, Market, Customers and Product Analysis.

Prediction on rent in Germany on the basis of floor area.

- A ML model that compares the rent on the biases of only floor area, Model prediction for 30 sq meter apartment was €370 and ChatGPT answer was €300.

Kaggle competitions

- First competitions - Regression with a Flood Prediction Dataset, Rank 2282/2788.
- Second competition- Rohlik Orders Forecasting Challenge, Rank 749/1017.

WORK EXPERIENCE

Remote Freelancer Data Scientist

July 2024- Present

Lenspainers (lenspainers.com), New Delhi, India.

- Working on a website to share images using face recognition.
- Face detection and recognition.

Foundry Production Employee (Gravity Casting)

January 2023 – January 2024

Bharat Forge Aluminiumtechnik GmbH., Brand-Erbisdorf, Germany.

- Setting up an HCM production system (horizontal casting materials).
- Quality control of the aluminum casting (NDT analysis of alloying elements - visually and with EPOCH 650 defect detector) for detection of porosity and holes.
- Spectrochemical analysis of aluminum samples for precise quantification of the element composition.
- Control of the process flow by Kuka-robot programming.

Working Student Position as a Production Assistant

June 2020- November 2020 &

Volkswagen Fahrzeugwerk, Zwickau, Germany

June 2021- November 2021

- Assembly of the engine and the outer body for VW cars.
- Collaborated with the production team to facilitate smooth operations, avoiding disruptions and delays.

Amazon Shipping/Warehouse Associate

October 2018- May 2019

Amazon, Winsen-Luhe, Germany

- Picking, packing, and shipping customer orders.
- Operating a jack and other warehouse equipment.
- Worked well in a team setting, providing support and guidance.

Project and Execution Function Engineer

July 2015- July 2017

Global Water Separation Systems Pvt Ltd, New Delhi, India

- Planning and installation of industrial water separation systems.
- Data acquisition, and management.
- Commissioning, and handover of projects.
- Established strong working relationships with clients through exceptional communication skills, fostering trust and collaboration.
- Wrote, reviewed, and edited technical documents by requirements.
- Developed positive working relationships with stakeholders to effectively coordinate work activities.
- Achieved successful project outcomes by maintaining accurate documentation and meeting strict deadlines.

EDUCATION

Diploma in Data Science

May 2024

Datascientest, Puteaux, France

M. Sc., Groundwater Management

June 2023

Technische Universität Bergakademie, Freiberg, Saxony, Germany

- Master's thesis: Hydrochemistry of Lake Zwenkau in Leipzig and its future aspects. Analysis of the meteorological data of the district of Leipzig and chemical analysis of Lake Zwenkau.
- Modules in Management: Project Management, Resource Management, Corporate Sustainability & Risk Management, Human Resources & Organization Management.
- Modules in Modeling: Geoscientific Communication (GIS), Hydrogeological Flow and Transport Modeling of Water (FeFlow).
- Modules in Environmental Sciences: Environmental Management & Policies, Hydrogeology, Groundwater Chemistry, Brownfield Revitalization.

- Bachelor's thesis: Principles of magnetic levitation and their applications.
- Modules in physics, mechanics, statistics, and industrial engineering.