

Abhishek Tiwari

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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
- Git
- Bash-Linux
- 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 networks
- Tensorflow Keras
- Pytorch

IDE-Code Editors

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

Data Analysis

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

Management methodology tools

- Jira
- Scrum
- Agile

Networking and Web-Development

- CCNA Certified
- Flask
- Streamlit
- Django
- Postman

Modeling

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

Language and Other Skills

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

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.
- Maintenance of the HCM casting machines.

Working Student Position as a Production Assistant*Volkswagen Fahrzeugwerk, Zwickau, Germany*

June 2020- November 2020 &

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.
- Maintained a safe and clean work environment, contributing to overall team productivity.

Amazon Shipping/Warehouse Associate*Amazon, Winsen-Luhe, Germany*

October 2018- May 2019

- 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*Global Water Separation Systems Pvt Ltd, New Delhi, India*

July 2015- July 2017

- 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***Datascientest, Puteaux, France*

May 2024

M. Sc., Groundwater Management*Technische Universität Bergakademie, Freiberg, Saxony, Germany*

June 2023

- 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 of Technology, Mechanical Engineering*Dr. A.P.J. Abdul Kalam Technical University, Lucknow, India*

June 2015

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