Abhishek Tiwari

Talented and passionate Data Scientist with experience in training machine and deep learning models.

Personal details

Date/place of birth
June 04, 1994, New Delhi(India)
Freiberg, Saxony, Germany

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Portfolio-Website: tiwabhishek.github.io/

GitHub: github.com/tiwabhishek

Further training courses

11/2023 – 05/2024

Data Scientist 6 Month Boot-camp, Data Sciences
Datascientest, Puteaux, France

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

- Python
- Machine Learning
- Deep Learning
- Data Analysis
- SQL-Relational/Non relational Database
- Tableau-Power Bi
- Scikit-Learn, Pandas
- Git-Bash-Linux

Projects

Completed data sciences project

- Milestone: Weather forecasting project: (daily rain forecast) in Australia.
- A fully functional website hosted on an AWS ec2 server that predicts rent for different apartment types in several locations in Berlin (Predictor: Xgboost).
- A fully functional website that uses photos to classify soccer players (Classifier: SVM) and several other projects are on GitHub

Education

2017-2024

M. Sc. , Groundwater Management

Technische Universität Bergakademie, Freiberg, Sachsen

- 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.

2011 – 2015

Bachelor of Technology, Mechanical Engineering

Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Indien

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

Professional experience

01/2023 – 01/2024

Gießerei Produktionmitarbeiter (Kokillenguss)
Bharat Forge Ltd, Sachsen

- Setting up a HCM production system (horizontal casting materials)
- Casting and testing
- Quality control of the aluminum casting (NDT analysis of alloying elements - visually and with EPOCH 650 defect detector) 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

Werkstudententätigkeit als Produktionshelfer

06/2021- 11/2021

Volkswagen Fahrzeugwerk Zwickau

06/2020- 11/2020

Volkswagen Fahrzeugwerk Zwickau

06/2019- 12/2019

Volkswagen Motorenwerk Chemnitz

- Assembly of the engine and the outer body for VW cars.

Amazon Shipping/Warehouse Associate
Amazon, Winsen-Luhe

07/2018 – 12/2018

- Picking, packing and shipping customer orders.
- Operating a jack and other warehouse equipment

07/2015 – 07/2017

Project and execution function engineer

Global Water Separation Systems Pvt Ltd, Neu Delhi

- Planning and installation of industrial water separation systems.
- Data acquisition and management.
- Commissioning and handover of projects

Microsoft Office, Teams, Slack,

Other skills

Code Editor: **Jupyter Lab, Pycharm, VS Code, Nano**

Skills

Modeling: **Geographic information system, Feflow, Auto-cad, Catia**

Language skills

Independent expertise

Englisch

Hindi Native

Freiberg, 13.06.2024