

ABDUL-RAZARK BAWA

Data Analyst | ML| AI |Research

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SUMMARY

I am a highly skilled Data Analyst with over five years of hands-on experience in Data Mining, Data Visualization, Machine Learning, and related technologies. My extensive expertise is underpinned by a proven track record in conducting comprehensive research, data analysis, and advanced visualization to empower cutting-edge decision-making.

I proficiently wield tools such as Python, R, Excel, and Power BI to extract actionable insights. My professional journey spans diverse sectors, including public services, human resources, education, and the automotive industry. This breadth of experience has honed my ability to navigate varied data landscapes and deliver impactful solutions.

I am an ardent data enthusiast, driven by a profound passion for harnessing the potential of Big Data, Machine Learning, and AI to tackle intricate business challenges, elevate customer satisfaction, and enhance overall operational efficiency.

Presently, I am actively seeking a part-time working student role in the capacity of an AI Data Analyst, where I can apply my skill set.

EXPERIENCE

Production Associate

Tesla Inc

08/2022 - 06/2023 Brandenburg, Germany

Sustainable energy solutions

- Capture Model Y vehicles flush and gaps data and analyze it to ensure overall body fit and finish
- Work in collaboration with different teams to assemble Model Y vehicles.
- Operates Kuka and Fanuc robots at Closures and Main Line to facilitate the production of Model Y vehicles.

Data Analyst (Work Study)

Modis

06/2021 - 12/2021 Germany Berlin

Workforce solution and talent management

- Collaborated with Data Engineers to understand and address existing data gaps and made available reliable datasets for analysis and decision making.
- Analyzed applicants' job data received from brands leveraging statistical techniques and data mining tools.
- Designed and developed dashboards to highlight and track key performance indicators (KPIs).

Researcher/Data Analyst

Fair Wages and Salaries Commission

01/2015 - 02/2021 Ghana

Salary Administration, Research and Job Evaluation

- Deployed different set of tools to explore and analyze payroll data and other datasets to help management implement controls to curb rising public service wage bill
- Mined data to discover correlation, pattern and trends of wage bill, base pay, minimum wage and other economic indicators.
- Collected data on compensable factors of skills using job content questionnaire and analyzed the data to determine the relative worth of the skills.
- Analyzed and resolved salary inequities in the public sector leveraging the Lorenz curve and other model.

Research Analyst

Fair Wages and Salaries Commission

12/2011 - 12/2014 Ghana

Salary Administration, Research and Job Evaluation

- Coordinated and collaborated with different research institutions to embark on nationwide research projects on inducement allowance, market premium and labour market surveys.
- Applied in-depth knowledge and experience in Statistics and Data Mining for data synthesis, analysis and visualization.
- Compiled metrics on key projects to help track key performance indicators (KPI).

SKILLS

Python

Power BI

HTML5/CSS

SQL/NoSQL

Advance Excel

Oracle ML Specialist

Research

SPSS/R

Oracle Cloud Infrastructure Assoc

Survey Monkey/CS Pro

Azure Data Engineer

EDUCATION

MSc. Artificial Intelligence

Brandenburg University of Technology

04/2023 - Present Cottbus, Germany

M.Sc. Data Analytics and Information Systems Management

Arden University -Berlin Campus

2020 - 2021 Germany - Berlin

B.Sc. Computer Science - Second Class Upper

Kwame Nkrumah University of Science and Technology, Kumasi

2006 - 2010 Ghana - Kumasi

PROJECTS

Some Key Projects

- Conducting Sentiment Analysis on Tesla Stock Using Reddit Social Media Data'
- Grappling prison overcrowding challenges leveraging IoT EM devices and Big Data; A case study of the Ghana Prison Service
- Analysis of KPMG Ghana survey responses from various Rural Enterprises Project stakeholders using SPSS

RESEARCH INTEREST

Artificial Intelligence

Big Data

Internet of Things

Machine Learning

Smart Cities

Software Define Vehicles

LANGUAGES

English

Proficient



Deutsch

Intermediate



EXPERIENCE

Tutor

Phantom Technologies Company Ltd

2014 - 2019 Ghana

Provides hands-on IT training program

- Facilitated a hands-on Oracle Database Administration training for students and other interest groups.

CERTIFICATIONS

TIA Portal programming - 2023

Tesla Academy

Introduction to IoT - 2023

Cisco Networking Academy

Oracle Cloud Infrastructure Foundations Certified Associate - 2022

Oracle Inc

Kuka Robotic Operation - 2023

Tesla Academy

Oracle Machine Learning using Autonomous Database Certified Specialist - 2022

Oracle Inc

Complete Python Developer: Zero to Mastery online course -2021

Udemy

REFERENCES

Available on request

Reference Contact