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in CebisileTaliyane

Cebisile073

Summary

As a motivated and ambitious Master's student with a passion for Applied Mathematics, I am eager to leverage my academic background to contribute meaningfully to the corporate world. My coursework has equipped me with a solid foundation in programming, data science, and machine learning, while my commitment to excellence is reflected in my academic achievements. I am a quick learner with strong analytical and problem-solving abilities, and I am excited to apply my theoretical knowledge to real-world challenges. Committed to professional development, I am actively seeking opportunities to expand my skill set and contribute to a dynamic team.

Education

University of the Witwatersrand, MSc Applied Mathematics

JHB, SA

- Average Mark: In Progress

Jan 2024 - present

- Coursework:** Applying Machine Learning and Optimization algorithms to solve flow management problems that arise from overcrowded systems

University of the Witwatersrand, BSc Hons Applied Mathematics

Feb 2023 - Dec 2023

- Average Mark: 73%

- Coursework:** Mathematical Foundations of Data Science, Data Visualization and Exploration, Optimization, Numerical Analysis, Mathematical Modeling

University of the Witwatersrand, BSc Applied Mathematics

Feb 2020 - Dec 2022

- Average Mark: 65%

- Coursework:** Statistical Foundations, Coding and Cryptography physics, Computational Mathematics, Algebra, Calculus, Group Theory.

Certifications

Udemy, Certificate of Completion

JHB, SA

- Python For Data Science and Machine Learning Bootcamp

Jan 2023 - Dec 2023

1 year

Experience

Tutor, Computer Science and Applied Mathematics

JHB, SA

- Providing guidance for scientific computing courses and feedback to students on their academic progress.
- Grade assignments, exams, and projects.

March 2023 - Present

1 year

MISG Workshop

JHB, SA

- Collaborated with industry representatives to solve research problems provided by local businesses

Jan 2024

- [MISG](#)

AIMS Summer School

JHB, SA

- Intensive learning in the fields of Scientific Computing and Optimization.

March 2024

- [AIMS](#)

Skills

Hard

- Python
- SQL
- Machine Learning
- Data Visualization

Soft

- Team player
- Communication
- Attention to detail
- Complex problem solver

Projects

Titanic Survival, Machine Learning Predictive Model

Jan 2024

- Binary classification techniques, specifically the Logistic Regression Algorithm, are applied to build a predictive model for predicting passenger survival.
- Used python.

Ecommerce Company Analysis

Dec 2023

- Evaluating the performance of the company's mobile app and website, identify strengths and weaknesses, and provide insights to help the company prioritize their efforts.
- Build a linear regression model to predict customer spending based on various factors, such as time spent on the app or website, sessions with personal stylists, etc.

Global Financial Crisis, Data Analysis and Exploration

Jan. 2022

- Examining, cleaning, transforming, and visualizing data to extract meaningful insights and make informed decisions to solve the bank stocks financial crisis
- Used Python.

Achievements And Awards

University of the witwatersrand

- Postgraduate Merit Award
- BSc Honors in Applied Mathematics with Distinction
- Certificate of First Class (Abstract Mathematics II)
- Certificate of First Class (Linear Algebra II)
- Certificate of First Class (Basic Analysis II)
- Certificate of First Class (Calculus I)
- Certificate of First Class (Algebra I)