Curriculum Vitae

Rolva Mashale
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Professional Summary

Data Scientist with comprehensive training in data analysis, statistical modeling, and machine learning. Proficient in Python, R, and data visualization tools, with a passion for turning data into actionable insights and strategic decisions. Continuously expanding expertise in big data technologies and cloud services to solve complex business challenges.

Technical Skills

- Programming Languages: Python, R, SQL, HTML, CSS, JavaScript. Java
- Data Analysis & Visualization: PowerBI, Tableau, Matplotlib, Seaborn
- Machine Learning Frameworks: scikit-learn, TensorFlow
- Big Data Technologies: Hadoop, Apache Spark
- Cloud Services: AWS, Google Cloud Platform and Azure
- Containerization: Docker, Kubernetes

• IDEs: VSCode, Pycharm, Jupiter Notebooks, Microsoft Visual Studio

• Version Control: SVN, Git and Github

Education & Certifications

- Bachelor of Science in Mathematical Sciences (Computer Science and Statistics), University of Limpopo
- Currently pursuing Honours in Computer Science, University of South Africa, Expected Completion [March 2025]
  Focus areas include Applied Data Science, with a particular interest in data science applications.

Certifications:
- Certified Data Scientist, Udemy's Complete Data Science Bootcamp

- Machine Learning Specialization, Coursera

Experience

Software Developer, ABSA BANK | 2023 – March 2024
- Enhanced user experience by integrating data analytics into app features, resulting in improved user engagement.
- Collaborated on data-driven feature optimization, leading to a 15% increase in customer satisfaction.
- Participated in Agile development processes, including sprint planning, daily stand-ups, code reviews and retrospectives.

Projects

- Predictive Stock Model: Developed a Python-based tool for forecasting stock prices with a 90% accuracy rate.
- Customer Segmentation Analysis: Conducted K-Means clustering for targeted marketing strategies, increasing conversion by 20%.

View more at https://github.com/mashaler

Professional Development

- Regular attendee at data science meetups and conferences.
- Active contributor to open-source projects and participant in Kaggle competitions.

Research & Publications:
- Published a post on 'The Future of Machine Learning' on Medium.
- Presented on 'Advancements in NLP'.

Additional Skills

- Strong business acumen with the ability to translate complex data findings into strategic initiatives.
- Proven leadership and collaboration skills

- Completed intensive Data Science training, acquiring a comprehensive toolkit for data pre-processing, analysis, and modeling. Gained proficiency in Python for statistical analysis and machine learning, including linear and logistic regression.

- Proficient in Python with hands-on experience in Numpy, Statsmodels, and scikit-learn for developing machine learning algorithms. Skilled in deploying deep learning frameworks like TensorFlow to address complex business cases.

- Applied data science skills to real-world problems, successfully performing cluster and factor analysis, and unveiling insights using deep neural networks. Enhanced machine learning models by mastering techniques to combat overfitting and underfitting, employing cross-validation and hyperparameter tuning for optimal performance.

- Equipped with in-demand data science competencies, including advanced statistical analysis, data visualization with Tableau, and machine learning. Trained in the application of state-of-the-art deep learning technologies.