

Curriculum Vitae

Joel Wanjala Mande

Email: joelwanjala09@gmail.com | Phone: +254 719526107 | LinkedIn:

<https://www.linkedin.com/in/joel-wanjala-709320329/>

Objective

A motivated Actuarial Science student at Dedan Kimathi University of Technology with strong skills in data analysis, financial modeling, and programming. Seeking to apply my skills in statistical programming, leadership, and actuarial analysis in a professional environment.

Personal Details

Nationality: Kenyan

Religion: Christian

Education

Dedan Kimathi University of Technology – Nyeri, Kenya

Bachelor of Science in Actuarial Science

2021 – Present

Chebukwa Secondary School

Kenya Certificate of Secondary Education (KCSE)

2017 – 2020

Grade: 68 B+

Jan's Edward Academy

Kenya Certificate of Primary Education (KCPE)

2008 – 2016

Score: 354

Professional Experience

Britam Insurance – [Location]

Actuarial Attachment Student

2024 – Present

- Assisting in actuarial analysis and risk assessment for insurance products.
- Working on data-driven models to forecast risk and enhance financial reporting.
- Collaborating with cross-functional teams to improve operational efficiency and product development.

Data Science & Artificial Intelligence Lab (DSAIL), Dedan Kimathi University

Attachee – Coffee Yield Prediction Project

2024 – Present

- Conducted time series analysis to predict coffee yields using historical yield data.
- Worked with Python libraries (NumPy, pandas) for data manipulation and statistical analysis.
- Developed forecasting models and evaluated performance using training and testing datasets.

Projects

Forecasting Stock Prices

Bachelor's Degree Final Project

- Analyzed historical stock price data and applied the Black-Scholes model to estimate prices.
- Explored jump diffusion models and stochastic volatility for more accurate predictions.
- Supervised by Dr. Antony Ngunyi.

Skills

- Programming: Python, R
- Statistical Analysis: Time Series Analysis, Financial Modeling
- Actuarial Modeling: Black-Scholes, Jump Diffusion
- Tools: NumPy, pandas, Jupyter Notebook
- Other: Leadership, Football

Certifications & Courses

- Young Christian Society
- Web design

Volunteer Experience

Community Service Projects

- Participated in education, healthcare, and environmental conservation initiatives in local communities.

Extracurricular Activities

Debate Club

- Participated in university-level debates, honing public speaking and critical thinking skills.

Football

- Played in university soccer team, developing teamwork and discipline.

Reference

Mr. Brian Wafula

Phone: +254 795534137