



ABOUT ME

I am a graduate in Electronic and Computer Engineering from Jomo Kenyatta University of Agriculture and Technology (JKUAT). An analytical data scientist adept at utilizing machine learning, statistical modeling, and programming skills to extract valuable insights from complex datasets. Proven ability to collaborate with cross-functional teams, clearly communicate technical concepts, and translate data-driven solutions into actionable business strategies. Passionate about leveraging cutting-edge technologies and innovative approaches to drive organizational growth and process improvements.

LINKS

LINKEDIN:
<http://www.linkedin.com/in/hemstone-chilluba-410b05218>

PORTFOLIO:
<https://hemstonec.github.io/data-science>

GITHUB:
<https://github.com/Hemstonec>

CERTIFICATIONS

- MICROSOFT CERTIFIED
- EMC DATA SCIENCE ASSOCIATE (EMCDSA).
- GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE.
- IBM DATA SCIENCE PROFESSIONAL CERTIFICATE.
- AWS CERTIFIED DATA ANALYTICS - SPECIALTY.
- CERTIFIED ANALYTICS PROFESSIONAL (CAP) BY INFORMS.

LANGUAGES

ENGLISH

SWAHILI

REFERENCES


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HEMSTONE CHILLUBA

DATA SCIENTIST

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WORK EXPERIENCE

NGWALA INVENTIONS
Dar Es Salaam
Jun 2023 - Jan 2024

DATA SCIENTIST

As a Data Scientist at Ngwala Innovation, I developed expertise in the following areas:

- Programming and Data Manipulation:** Python, R, SQL, NumPy, Pandas, data wrangling, data preprocessing, feature engineering.
- Statistical Modeling and Machine Learning:** Regression analysis, hypothesis testing, supervised learning (classification, regression), unsupervised learning (clustering, dimensionality reduction), scikit-learn, TensorFlow, ensemble methods.
- Data Visualization and Storytelling:** Matplotlib, Seaborn, Tableau, Power BI, D3.js, data visualization, data storytelling, dashboards.
- Big Data Technologies:** Apache Spark, Hadoop, distributed computing, large-scale data processing, data engineering.
- Exploratory Data Analysis (EDA) and Critical Thinking:** Exploratory data analysis, data exploration, statistical summaries, pattern recognition, critical thinking, problem-solving, data-driven insights.

BOR SYSTEM LIMITED
ELDORET
Jan 2023 - May 2023

DATA ANALYST

As a Data Analyst at Bor System Limited, I refined the following essential skills:

- Data Extraction and Manipulation:** Proficient in SQL for querying and extracting data from relational databases, as well as Python libraries like Pandas for data manipulation and cleaning.
- Statistical Analysis and Modeling:** Experienced in applying statistical techniques such as regression analysis, hypothesis testing, and predictive modeling using Python libraries like scikit-learn and StatsModels.
- Data Visualization:** Skilled in creating clear and insightful data visualizations using tools like Matplotlib, Seaborn, and Tableau to effectively communicate findings to stakeholders.
- Business Intelligence and Reporting:** Adept at using BI tools like Power BI and Qlik Sense to develop interactive dashboards and generate actionable reports for data-driven decision-making.
- Collaboration and Communication:** Ability to work closely with cross-functional teams, translate complex data insights into clear recommendations, and effectively communicate findings to both technical and non-technical audiences.

KENET (KENYA NETWORKING)
NAIROBI
Jan 2022 - Jul 2022

NETWORK BUSINESS INTELLIGENCE INTERN

As a Network Business Intelligence Intern at KENET (Kenya Network), I gained hands-on experience in the following areas:

- Data Extraction and Manipulation:** Utilized SQL to query and extract data from network databases, and Python libraries like Pandas for data cleaning and transformation.
- Exploratory Data Analysis (EDA):** Conducted comprehensive exploratory data analysis, including statistical summaries, data visualization (Matplotlib, Seaborn), and identifying patterns in network data.
- Machine Learning:** Implemented supervised learning algorithms (regression, classification) and unsupervised learning techniques (clustering, anomaly detection) using scikit-learn for network traffic analysis and predictive modeling.
- Deep Learning:** Developed deep learning models, including neural networks and convolutional neural networks (CNNs), using frameworks like TensorFlow and Keras for complex network data analysis tasks.
- Network Performance Analytics:** Analyzed network performance metrics, identified bottlenecks, and optimized network infrastructure through data-driven insights.
- Network Security Analytics:** Utilized machine learning techniques to detect anomalies, intrusions, and potential security threats within network traffic data.
- Big Data Technologies:** Gained exposure to distributed computing frameworks like Apache Spark and Hadoop for processing and analyzing large-scale network data.

EDUCATION

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (JKUAT)
2022

BSc. ELECTRONIC & COMPUTER ENGINEERING.

TERIGE HIGH SCHOOL
2015

KCSE

ROXY SCHOOL
2011

KCPE

APOSTOLIC FAITH SCHOOL.
2003

ECD

SKILLS

PROFICIENT IN PYTHON, R, SQL	STATISTICAL ANALYSIS
DATA WRANGLING, CLEANING	DATA VISUALIZATION
MACHINE LEARNING (AI)	DEEP LEARNING