# Anthony Gacheru

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## SUMMARY

Data Science Engineer with 7 years of experience in designing and implementing machine learning models and predictive analytics. Proven track record in automating data workflows and enhancing efficiency by 40%, utilizing skills in Python, Spark, and SQL. Seeking to leverage expertise in data science solutions and model optimization to drive impactful business results.

## WORK EXPERIENCE

**Micro1**                                                                                                  Remote

Data Scientist                                                                           Apr 2025 - Present
- Design and implement machine learning models to enhance data-driven decision-making.
- Conduct exploratory data analysis and develop predictive models using Python and Spark.
- Automate data processing workflows, improving efficiency by 40%.

**Mindrift**                                                                                              Remote
Data Annotation Specialist                                                          May 2022 - Mar 2025
- Achieved a 98% accuracy rate in data annotation and quality assurance, enhancing overall data integrity.
- Developed automated quality control scripts using Python, significantly improving annotation efficiency.
- Collaborated with cross-functional teams to optimize data processing workflows and ensure compliance with data security standards.

**Safaricom PLC**
Software Engineer                                                                     Jan 2019 - Dec 2021
- Developed, tested, and maintained high-performance software solutions to enhance business operations and customer experience.
- Optimized existing systems, achieving a 30% reduction in processing time and improved system efficiency.
- Designed and implemented RESTful APIs and microservices, integrating with third-party platforms for seamless functionality.

**Outlier**                                                                                               Remote
Data Analyst                                                                             Jul 2017 - Aug 2018
- Evaluated AI model outputs to ensure alignment with project objectives and identified performance gaps, leading to improved model accuracy.
- Provided detailed reports on user-generated content trends and collaborated with the team to refine annotation processes, boosting overall efficiency.

## EDUCATION

The Cooperative University of Kenya                                                             2018
Bachelor of Science, Computer Science

## CERTIFICATIONS

Data Science Professional Certificate, Micro1

## SKILLS

Python • SQL • Scala • R • Spark (PySpark, SparkR) • Hive • Pig • Hadoop • Pandas • NumPy • Matplotlib • Supervised/Unsupervised Learning • Feature Engineering • Model Optimization • Aws • Azure • GCP • NoSQL (MongoDB, Cassandra) • Relational Databases (MySQL, PostgreSQL) • Data Modeling • Etl • Data Visualization • Agile Software Development • Statistical Analysis