

# EMMANUEL MASINDI

DATA SCIENTIST

## DETAILS

### ADDRESS

Block B No 23 Phase 3  
Johannesburg, 2090  
South Africa

### PHONE

066 443 2955

### EMAIL

ne.masindi@gmail.com

### DATE / PLACE OF BIRTH

10 May 1994  
Johannesburg

### DRIVING LICENSE

South Africa

### NATIONALITY

South African

## SKILLS

Machine Learning



Data Analysis



Python



Tableau



Matplotlib



Web Development



PostgreSQL



Excel VBA



## LANGUAGES

English



TshiVenda



IsiZulu



## PROFILE

Resourceful Data Scientist with a passion for delivering valuable data through analytical functions and data retrieval methods. Committed to helping companies advance by helping them to develop strategic plans based on predictive modeling and findings. Bringing forth a proven track record of analyzing complex data sets and serving as a strong advisor.

## EMPLOYMENT HISTORY

### Data Scientist, Upwork

Johannesburg

Oct 2021 — Present

- Sentiment Analysis and Modeling using **Artificial Neural Network** for rating restaurant reviews
- Loan Default Classification using Machine Learning Models and Techniques such as **5-fold Cross Validation, Model Tuning** and utilizing **Soft Voting Classification**
- Image Classification using **Convolutional Neural Network** and Object Detection using **OpenCV** techniques such as Thresholding and Masking
- Built and maintained **PostgreSQL** databases by **Data Scraping** Websites and API's and using **Python** libraries to build data pipelines
- **Data Visualization** using Tableau, Matplotlib, Plotly, Seaborn and Excel to create **interactive dashboards**

### Graduate Engineer , Mott Macdonald

Witbank

Jul 2018 — Sep 2021

- Managed Project team's main **Excel registers** for the purpose of analyzing and developing visualizations to be used to assess project team's progress together with other **KPI's**. These registers were developed to track drawings, databooks, ITP's, method statements, punch lists, etc.
- Site Work Inspections - verifying installation of tanks, pipes, valves, drilled anchor holes, concrete plinths and Structural Steel Structures as per design drawings.
- Coordinating with teams in Construction, Health and Safety, Engineering, Commercial(Quantity Surveyors), Planning, Environment and Commissioning to establish Method Statements, perform site inspections, carry out EIA's, close out Non Conformance Reports (NCR), compile commercial claims to the Client subcontractors, carry out site surveys and close out Punch list items.
- **Develop database** to summarize the historical project key events for the purposes of assisting the claims department in calculating unforeseen delays caused by client.

### Engineer in Training, Ntuthuko Babcock Powerlines

Nigel

Feb 2016 — Jun 2016

- Offer support to the Civil team in the power lines division of the company by setting up testing procedures to verify suitability of structural steel structures for onsite use.

Sesotho



Programming Languages



- Develop Method Statements for the construction of the foundations used to support overhead 330 kV Transmission lines.
- Carry out ITP inspections for structural components manufactured in the workshop.

## EDUCATION

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### **BSc Civil Engineering , University of Witwatersrand**

Johannesburg

Feb 2013 — Nov 2017

Structural Engineering - A

Hydraulic Engineering - A

Geotechnical Engineering - C

### **Matric Certificate, King Edward VII**

Johannesburg

Jan 2008 — Dec 2012

Graduated with Academic Colors

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### **Awards**

Jan 2017 — Jan 2018

Dean's List - Graduation Academic Achievement

### **Academic Colors - Matric**

Johannesburg

Aug 2012 — Dec 2012

## COURSES

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### **Data Science in Python, Udemy**

May 2020 — Mar 2021

### **Tableau Advanced Data Visualization, Udemy**

Oct 2021 — Nov 2021

### **PostgreSQL, Udemy**

Jun 2021 — Jul 2022

### **Machine Learning - Python and R in Data Science, Udemy**

Dec 2021 — Nov 2022

### **Computer Vision with OpenCV, Udemy**

Dec 2021 — Nov 2022

## REFERENCES

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### **Trevor NcalofromMPAMOT**

trevorn@mpamot.com | 0763008670

### **Steven GreensmithfromMott Macdonald**

steven.greensmith@mottmac.com | 0823356833

### **Paul OakmanfromMott Macdonald**

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**Michael Mandulo from MPAMOT**

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**Graham Attwood from Mott Macdonald**

graham.attwood@mottmac.com

**PORTFOLIO**

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**Tableau Projects**

<https://public.tableau.com/app/profile/emmanuel.masindi>

**Github**

<https://github.com/Emmaneu>