

# Nakkita Pillay

## PERSONAL DETAILS

**Address:** Johannesburg, South Africa

**Phone:** +27 79 502 9775

**Email:** [nakkitalungoomeah@gmail.com](mailto:nakkitalungoomeah@gmail.com)

**Nationality:** South African

**Languages:** English (Native/Full Professional Proficiency)

## EDUCATION

### MSc. Data Science (Cum laude)

- Masters Dissertation: Counting objects in Ecological Images using Deeping Learning (Python)
- 2019-2021

*University of Cape Town*

### BMedSc. (Hons) Medical Biochemistry (Cum laude)

2018

*University of Cape Town*

### BSc. Biochemistry and Human Anatomy and Physiology

2015-2017

*University of Cape Town*

### Senior Certificate – Bachelor's pass (6 distinctions)

2014

*Kwarwastan Secondary School*

## KEY COMPETENCIES AND ATTRIBUTES

- Communication and Collaboration
- Time Management and Deadline-driven
- Ability to work under pressure
- Goal orientated and task driven.
- Dedicated, self-motivated and takes accountability for own development
- Performs well individually and works effectively as a team member and leader
- Adaptable, Loyal, and Committed

## COMPUTER SKILLS

- R
- SQL
- Python
- Tableau
- SAS
- PowerBI
- Bitbucket

## REFERENCES

*Available on request.*

## Data Scientist

Qualified Biochemist, with a Masters in Data Science. Data science experience in the fields of Computer vision using Deep Learning, Natural Language Processing (NLP), Credit Risk and Behavioural analytics using Machine Learning. Currently, working as a Data Scientist II in the financial industry, avid on gaining new exposure and challenges in the field of Data Science. Online Curriculum vitae: <https://nakkita.github.io/CV>

## PROFESSIONAL WORK EXPERIENCE

### First National Bank | 2020 to Present

*Data Scientist II - Strategic credit and analytics focused on predictive model development, client insight and growth analytics.*

- Extract, clean and integrate data from various sources.
- Building predictive models for business needs. Experience with Natural Language Processing, specifically, Topic Modeling, Sentiment analysis and Industry text mapping with Regular expressions and Fuzzy Logic (Python -Jupyter notebook)
- Model implementation with Pyspark and spark SQL (Zeppelin notebook)
- Model validation and monitoring including population stability index.
- Customer and transaction analysis (Factor analysis, Clustering, Semi-supervised Clustering)
- Self-employed model (Regression)
- Provide business strategies and insights based on analytics such as customer segmentation, risk (credit, early risk), competitor analysis and contextualized business opportunities.
- Analysis, visualization and reporting of data to management (Excel & PowerBI)
- Management of data extraction and providing data for adhoc business requests.

## WORK EXPERIENCE

### UCT Science Faculty | 2018

#### *Science Orientation Leader*

Orientation leadership training covered the following topics which were required for the above position: self-awareness, leadership responsibilities, strategic planning and project management, decolonization and intersectionality, mentoring, teamwork, UCT student support structures and basic communication skills. The job entailed overseeing first year students during their computer practical sessions, campus tours, logistics of events and talks for first years and mentoring of students.

## PERSONAL DEVELOPMENT

*An ambitious motivated individual who strives for exponential growth*

- Studying towards attaining the AWS Cloud Practitioner Certification
- Pyspark Udemy Course in-progress
- PowerBI Udemy Certification