



Pavan Singh

Data Science and Analytics

Pandas

NumPy

TensorFlow

MySQL

NetLogo

R

Python

HTML

NLP

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Work Experience

Databases and Data Analytics Tutor

University of Cape Town

2021

Conducted workshops with students, teaching them the principles of databases and SQL language. Also worked with Tableau. Course codes: INF2006 and INF2007.

Golden Future Project Tutor

2020

Golden Future Project is university society aimed at providing resources and tutelage to high schools students from under resourced communities within Cape Town area

Bio

Hi, my name is Pavan and I am a masters candidate for MSc Advanced Analytics at the University of Cape Town in South Africa. I am proficient in multiple programming languages and have extensive experience with programming in a statistical analysis context.

My research interests lie with text mining and natural language processing in general, as well as ensemble machine learning methods and their applications on consumer and customer data. For more information see my [website](#).

Projects

Airbnb - Clustering and SOMs

Look to uncover any hidden relationships from Airbnb property listings in Cape Town, using clustering.

Customer Churn Prediction

Determined which customers are at risk for leaving, by building 8 different classification models.

Segmenting Customer Bases

Used clustering analysis to segment customer base to advise production plans.

Education

University of Cape Town

Jan 2022 - Present

MSc Advanced Analytics

Current GPA: 78.7%

University of Cape Town

Jan 2018 - Dec 2021

BBusSci Analytics

Statistics Honours GPA: 73%

St Charles College

Jan 201 - Dec 2021

Cambridge IGCSE, AS and A-Levels

Academic Honours

Distinctions for Physics, Chemistry, Biology and Mathematics

Certifications

TensorFlow Developer Professional Certificate

2022

Completed DeepLearning.Ai's TensorFlow Developer Professional certificate through Coursera. Programme covered building NLP systems, several neural network frameworks and handling real world data.

MySQL for Data Analytics

2021

Completed programme created by 365Careers, which covers basic to advanced practices in MySQL.

Google Data Analytics Certificate

2022 - Present

In the process of completing Google's analytics professional certification through Coursera. Programme looks at practices and processes used by a junior or associate data analyst in their day-to-day job.

Soft Skills

Critical Thinking

Teaching

Organisation

Adaptability

Teamwork

Planning

Hobbies and Interests

When I am away from desk, I enjoy getting outside to play some sports.

I particularly enjoy playing padel (my most recent addiction), as well as football, cricket and tennis.

Besides sport, I enjoy watching movies and reading.

Skills and Languages

