



# Kashan Pillay

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## WORK EXPERIENCE

### **Sasol Ltd:** Sasolburg, Free State *Control Systems Engineering Intern*

December, 2024 - January, 2025

My vacation work project was centred around Control Systems with a focus on PLCs and DCSs and their role in various plants at the Sasol One Site.

### **University of Cape Town:** Cape Town, Western Cape *Communication and Network Engineering (EEE3093S) - Tutor*

July, 2025 - November, 2025

This role required me to assist students enrolled in EEE3093S with the course work as well as marking assignments and running tutorial and laboratory sessions.

### **University of Cape Town:** Cape Town, Western Cape *Introduction to Electrical Engineering (EEE1007S) - Tutor*

July, 2025 - November, 2025

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### **University of Cape Town:** Cape Town, Western Cape *Java Programming (CSC1016F) - Tutor*

July, 2023 - November, 2023

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### **University of Cape Town:** Cape Town, Western Cape *Python Programming (CSC1015F) - Tutor*

February, 2023 - June, 2023

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## SKILLS

C, Python and Java  
Programming Languages

Project Management

Signal Processing

Embedded Systems

PCB Design

Financial Management

Commercial Law

Digital Signal Processing

Control Systems Design

Network Infrastructure  
Architecture

## AWARDS

### **Dean's Merit List (2024)**

I achieved this award for having a GPA that qualifies as a distinction.

### **Dean's Merit List (2023)**

I achieved this award for having a GPA that qualifies as a distinction.

### **Proxime Accedit Dux (2021)**

I achieved this award in my matric year for coming second with an average of 93%.

### **Highest Grade in EGD (2021)**

I achieved this award in my

## EDUCATION

### **University of Cape Town:** Cape Town, Western Cape *BSc(Eng) in Electrical and Computer Engineering (Hons I)*

February 2022 - November 2025

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nonummy nibh euismod tincidunt ut laoreet dolore.

### **Northwood School:** Durban, Kwa-Zulu Natal *National Senior Certificate (Bachelors Pass)*

January 2017 - December 2021

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### **Virginia Preparatory School:** Durban, Kwa-Zulu Natal *General Education and Training (GET)*

January 2013 - December 2016

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matric year for achieving the  
highest grade in the subject  
Engineering, Graphics and  
Design.

#### **Highest Grade in IT (2021)**

I achieved this award in my  
matric year for achieving the  
highest grade in the subject  
Information Technology.

## PROJECTS

### **University of Cape Town: Mirco-mouse** *EEE3088F/97S (Third Year Engineering Design Courses)*

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### **University of Cape Town: Penguin Pulse Oximeter** *EEE4113F (Fourth Year Engineering Design Course)*

### **University of Cape Town: Smart Birdfeeder** *EEE4022S (Honour's Thesis Project)*

