



# KARAN ABRAHAM

ELECTRICAL & COMPUTER ENGINEERING STUDENT

## Contact

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## Hobbies

- Soccer
- Singing
- Yoga

## Referees

Hendrich Vos

IT Teacher

Selborne College

Cell: 082 774 6157

e-mail: [vos@selborne.co.za](mailto:vos@selborne.co.za)

Joseph Lumbahe

Manager and Lead Engineer of AI Division

Aizatron Pty Ltd

Cell: 079 265 7165

e-mail: [joseph@aizatron.com](mailto:joseph@aizatron.com)

## Programming Languages

- Python (proficient)
- Java
- C
- Assembly
- Kotlin
- Julia
- SQL

## PROFILE

I have a passion for analytical problem solving. This has fostered my interest in Maths, Physics, and Programming because they all share the aspect of logical reasoning. I enjoy playing sports, since it allows me to connect with people, have fun and keep fit.

## EDUCATION

### University of Cape Town

2020 – Present

Electrical & Computer Engineering

4<sup>th</sup> year distinctions:

- EEE4114F (Digital Signal Processing + Machine Learning)

3<sup>rd</sup> year distinctions:

- Electromagnetic Engineering
- Computer Science (Data structures and Databases)
- Embedded Systems 2 (Assembly, Verilog, ...)

### High School: Selborne College

2015 - 2019

6 distinctions in Matric

Honours Award for Academics

First Team and Colours Award for Chess

Represented regional team for chess (2016 – 2018)

## VACATION WORK EXPERIENCE

### Avocado Chocolate

10 Jul – 14 Jul 2023

I was tasked with developing an Android application which finds a route between two locations avoiding areas with loadshedding.

### Aizatron

4 Jul – 15 Jul 2022

I designed and implemented a basic Smart Attendance Register System using Python. I used MongoDB to store data; `xlswriter` (a python package) to create an Excel spreadsheet; and SMTP to email the Excel spreadsheet.

### Actiotech

15 Feb – 12 Mar 2021

I learned Go, a programming language used by the firm. This introduced me to the concept of concurrency.

## LEADERSHIP

I had the rewarding experience of leading the East London Malayalee Association (ELMA) Junior committee in 2019. With the help of the ELMA executive committee, we were able to raise money for those affected by the floods in India.