

# PRIYA MOODLEY

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## Personal Profile

I am a diligent and goal-oriented fourth-year Electrical and Computer Engineering student at the University of Cape Town. As a collaborative team player with strong leadership skills, I have honed my ability to balance group projects and university commitments effectively. My approach is persistent and adaptable - whether acting in stage productions, competing in sports, or playing the piano - I immerse myself fully and give my everything. Above all, I am fueled by a relentless enthusiasm for learning, and I thrive in environments where I can grow, contribute, and innovate.

## Education

### University of Cape Town - BscEng Electrical and Computer Engineering (2022-present)

I am a registered student for a degree in Computer and Electrical Engineering with the faculty of Engineering and the Built Environment. I achieved a consistent 76% GPA throughout the last three years of my university studies.

### Westville Girls' High School (2017-2021)

At Westville Girls' I matriculated with 7 distinctions and an NSC average of 93% with a mathematics score of 98%. I received the Liberty Bell Trophy for academic achievement in my final year.

## Work Experience

### Hatch Engineering (December 2024 - January 2025)

As a participant in a competitive 6-week vacation program at Hatch Engineering, I collaborated within a multidisciplinary team of chemical, civil, mechanical, and electrical engineering students to execute a simulated real-world project. My primary responsibility involved developing Controls and Instrumentation documentation. This experience sharpened my ability to integrate cross-disciplinary inputs and emphasized the critical importance of clear communication and precision in large-scale engineering projects. Working directly with electrical systems deepened my practical understanding of how theoretical concepts translate into industrial applications, reinforcing my interest in instrumentation and control engineering.

### Cape Peninsula University of Technology (December 2022)

I gained hands-on experience in fitting, turning, and welding during a two-week industrial training program. This experience provided me with practical insight into manufacturing workflows and deepened my understanding of how engineering design decisions impact real-world production.

## Skills

### Computer Skills:

- **Programming:**
  - Advanced Proficiency with Python, Java, Delphi, C, C++, MySQL, MATLAB
  - Basic Proficiency with AutoCAD, Solidworks, KiCad
- **Software:**
  - Advanced proficiency in Microsoft Office
  - Advanced proficiency in Google Workspace
- **Hardware and Electronics:**
  - PCB design
  - Basic networking (troubleshooting)

### Communication & Leadership:

- Professional email/telecommunications
- Team leadership & people management

### Languages:

- Fluent in English
- Advanced in Afrikaans

## Achievements

**UCT:**            2022 Dean's Merit List  
                     2023 Dean's Merit List  
                     2024 Dean's Merit List

**WGHS:**            Liberty Bell Trophy for academic achievement

## References

### Hatch Engineering:

Richard Links - Electrical Engineer at Hatch

### CPUT:

Dominic De Maar - Lab Officer - [dominic.demaar@uct.ac.za](mailto:dominic.demaar@uct.ac.za)