

Curriculum Vitae: Liyana Singh

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Personal Information

- Address: Cape Town.
- Driver's license: Code 8.
- Language: English.
- Employment Equity Classification: Indian Female.

Academic Qualifications

- Bachelor of Science in Engineering in Mechatronics (Pending).
 - Institution: University of Cape Town.
 - Year: 2022 (1st year) – 2025 (4th Year).
- Practical Training Course (part of B. Eng degree course).
 - Institution: Cape Peninsula University of Technology.
 - Year: 2022.
 - Subjects: Electrical Automation, Welding, Turning, Basic Hand Skills, Metrology, CNC and Pneumatics.
- Grade 12 / Matric:
 - Institution: Crawford International, Sandton.
 - Year: 2021.
 - Subjects: English (home language) 82%, Afrikaans (first additional language) 79%, Life Orientation 95%, Mathematics 99%, Physical Sciences 84%, Information Technology 87%, Accounting 87% and Advanced Programme Mathematics 83%.

Computer Literacy

- MS Office: Word, Excel (coding) and PowerPoint.
- MATLAB (coding).
- Java (coding).
- Python (coding).
- C/C++ (coding).
- SQL - Structured Query Language (coding).
- Design software: AutoCAD, Solidworks and KiCad

Leadership Roles

- Grade 12: Executive Body (Prefect).
 - Lead and mentored the student body.
 - Organized and served at school events.
- Grade 11: Board of Interact.
 - Liaised with NPOs and underprivileged communities.
- Grade 10-12: Peer Counsellor.
 - Received basic counselling training.
 - Acted as a support system to students.
- Grade 7: Counsellor.
 - Served the school and student body.

Achievements

- 2022 - 2024: [Dean's Merit List](#) - recognizes students who perform consistently well during the year in the pursuit of their academic goals.
- 2021: [White Honours Blazer](#) - the highest award bestowed upon exceptional students who have achieved full colours in at least 3 areas of school life.
- 2021: Placed in the [Top 3](#) for Mathematics, Physical Science and Life Orientation.
- 2021: [Top 1%](#) IEB Mathematics and Life Orientation.
- 2019 - 2021: [Full Colours](#) for Academics, Community Service and Public Speaking.
- 2017 - 2021: Placed in the [Top 10](#) every year of High School.
- 2017 - 2021: Competed in the Mathematics, Information Technology and Physical Science [Olympiads](#).

Work Experience

- Internship at Impulse Biomedical
 - Year: June 2024 – July 2024
 - Duties: Engineering design, rapid prototyping, manufacturing, testing, process management and problem solving.
- Tutor work at UCT Electrical Engineering Faculty.
 - Years: 2019 – 2021.
 - Duties: Assist with labs, tutorials and marking.
- Volunteer work at Fidelitas High School, Kids Haven, Etembeni Children's Home, Stop Hunger Now.
 - Years: 2017 – 2021.
 - Duties: Teach mathematics to underprivileged Grade 8 students, take care of children from newborns to 8-year-old children. Prepare and serve meals.