

VALDEN PILLAY

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SUMMARY

As a talented and driven Electronic Engineering graduate that attained **19 distinctions**, who is seeking a junior role to begin my career. My aim focuses on the application of the skills and knowledge attained into an innovative working environment as I bring a blend of technical proficiency with a proven track record of academic excellence.

WORK EXPERIENCE

The BnV Emb. Co. (REF: Nithia - dontpillay@gmail.com - 079 413 5651)
(Mechatronic Technician)

01/2022-12/2024

- Provided technical support for CNC machinery, motor drives, electronic sensor circuitry and PSUs, reducing downtime by 30%. Successfully repaired a critical asset worth R225,000.00, boosting daily output by 50%.
- Analyzed and repaired electro-mechanical control systems with the aid of schematics, enhancing the ability to maintain complex systems with an extreme level of attention to detail.
- Managed stock control and built strong client relationships, improving communication and sales services. Gained essential skills to work well in a team within an industrial environment.
- Led and trained a team to program and operate the Industrial Tajima 3-axis CNC embroidery machine. Handled multiple large projects, demonstrating leadership, technical mentoring and operation management skills.

EDUCATION

Durban University of Technology

02/2020-12/2024

- (BEngTech) Electronic Engineering (NQF Level 7)

SKILLS

- **Instrumentation and Control Systems:** Automated manufacturing machinery, PLC configuration.
- **Electro-mechanical systems:** Sensors and actuators for process control dynamics.
- **Printed Circuit Board (PCB) Design and troubleshooting:** NI Multisim, Ulti board, KiCad.
- **Programming Languages:** Python, MATLAB, Embedded Systems C/C++ (STM32, Arduino, ESP32).
- **Applied Mathematics:** Digital Signal Processing, Digital Image Processing, Statistics and Data Analysis.
- **Microsoft Suite:** Word, Excel, PowerPoint, Outlook and Power BI.
- **RF engineering:** VHF/UHF systems, Impedance Matching, Amplifier Design (AWR for simulation).
- **Other:** Proficient Driver (Code 10-Manual/Own vehicle, able to commute to work consistently).