

# MEERA PATEL

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I am a professional Mechatronics Engineer with expertise in system integration, design, and troubleshooting who is eager to transition towards software development. I possess the skills and determination necessary to thrive in this new direction with several years of experience in the field and a strong passion for coding.

## EXPERIENCE

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### Project Engineer (Building Automation) | Honeywell

FEB 20 - PRESENT

- Managed all project stages including design, co-ordination, installation, and commissioning control systems for control systems to achieve the best results for clients.
- Lead engineer on two major projects: a CCTV site upgrade and a national UPS upgrade.
- Self-taught new security software to become the subject matter expert.
- Installing and configuring security software on physical and virtual servers.
- Design and build HMI/SCADA control interfaces for clients, including writing functions in VBScript.
- Successfully delivered a project ahead of schedule and under resulting in excellent client feedback.

### Quality Assistant | KiwiRail

MAY 19 - JAN 20

- Developed and implemented quality assurance documentation for a new rail project.
- Implemented task instructions and applied Lean manufacturing principles to improve efficiency and reduce production time.

### Summer Intern | KiwiRail

DEC 17 - FEB 18 & NOV 18 - FEB 19

- Developed standard operating procedures to streamline workflows.
- Conducted research to optimise component overhaul processes.

### Casual Sales Professional | David Jones

DEC 16 - JAN 17

- Recognised for outstanding service and sales achievements.
- Implemented visual merchandising strategies to increase sales by effectively displaying stock.

## PROJECTS

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### Personal Website: [www.meerapatel.co.nz](http://www.meerapatel.co.nz)

- Created a website to highlight personal career achievements and work experience.
- Used VS Code to create website using HTML, CSS, and JavaScript.

### Vision-Based Indoor Localisation for People & Robots

- Evaluated the feasibility of using software as a GPS alternative for indoor navigation on smartphones.
- Used Linux virtual machine to run, evaluate and adapt third party software "ORB-SLAM2" written in C++.

## EDUCATION

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### Bachelor of Engineering (Hons) | University of Auckland

Specialised in Mechatronics Engineering, graduated First Class Honours with an average GPA of 7.9 (A-). Dean's Honours List recipient.

### NCEA (Level 1,2 and 3) | Onslow College

Achieved all three years with excellence.

## TECHNICAL SKILLS

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### Languages:

Python, Java, C, C#, C++, SQL, VBScript, HTML, CSS, MATLAB, R

### Other:

Azure, VS Code, GitHub

## REFERENCES Available on request

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