

# Maneesh Withanagamage

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## EDUCATION

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### York University

Toronto, Canada

*Honours Bachelor of Engineering, Specialized in Computer Engineering*

*April 2021*

- Notable Courses: Software Design Patterns, Operating Systems, VLSI, Computer Architecture, Relational Databases.

## SKILLS

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**Languages:** JavaScript, C, Java, SQL, HTML/CSS, System Verilog, Embedded C

**Software Tools:** Node.js, Express.js, React.js, MySQL, MATLAB, RESTful APIs

**Hardware:** Cadence Virtuoso, HSPICE, Innovus

## EXPERIENCE

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### Loblaw Companies Limited

Toronto, Canada

*IT Solutions Delivery (Internship)*

*Apr 2021 - Present*

- Performed System Integration Testing (SIT) across all active functionality of the Manhattan Active project.
- Developed, configured and tested modules for SIT and UAT testing, which will be used for automation.
- Assisted with creating, modifying and validating System Requirement/ design documents for the Active projects.
- Built and Validated current state processors, which dictated the new features required for deployment.

### 4PAY

Toronto, Canada

*Technical Analyst (Internship)*

*Apr 2020 - Sept 2020*

- Designed a proof of concept Block-chain using React for front end and Express for back-end.
- Proposed AWS Quantum Ledger Database as a solution to increase security of the company's ledgers.
- Increased efficiency by **over 50%**, automating the documentation of the company's main system with **500+** APIs.
- Assisted another team with creating a MVP for an app that was in the research phase.

### CIBC

Toronto, Canada

*IT Project Coordinator - Payments Modernization (Internship)*

*Jan 2019 - September 2019*

- Assisted the Quality Assurance (QA) team in writing requirements/user-stories for an automated reporting tool.
- Published project reports for the executive team: closure reports, requirements reports, and business reports.
- Reconciled monthly finances for seven projects and thus, improved efficiency for monthly budget allocations by **50%**.
- Developed a proof of concept mobile app on improving their current mortgage application.

## PROJECTS

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### Hospital Communication Application

*Capstone Project*

- Built a real time service for physicians and nurses to communicate efficiently in a busy hospital environment.
- Implemented privacy and security protocols that are compliant with PHIPA and HIPAA standards.
- Designed and implemented a database schema that would capture the complex communication network in hospitals.
- Built a RESTful API that allowed the front-end to access and manage data.
- Technologies used: React, Express, REST API, MySQL, Figma, Postman

### Express Parking

*Personal Project*

- Designed and built both the front-end and back-end for a parking management system.
- Used a System Requirement Specification (SRS) document from a past course to get the necessary requirements.
- Technologies used: React, Express, Rest API, MySQL, Figma, Postman