

Email: 

LinkedIn: 

Mobile: ■■■■■■■■■■

Portfolio: 

## Summary

- **Analytical Problem Solver:** A person who naturally sees opportunities to develop, who goes beyond just fixing to identify root causes, evaluate optimal solutions, and recommend comprehensive upgrades to prevent future issues, and enjoy compiling, organizing, and consolidating large volumes of data and reports.
- **Business-oriented Evaluator:** A partner who listens to ideas, shares thoughts, and work together to move the business forward by effectively interpret information to demonstrate the effects of business initiatives, regulation, and industry trends for sales, management, and leadership teams.

## Education

**2019 -2020: M.Sc. Industrial Engineering (GPA - 3.84/4.00)**

Michigan, USA

Wayne State University

Coursework: Applied Engineering Statistics | Deterministic Optimization | Intelligent Analysis | Engineering Experimental Design | Computer Simulation Methods | Integrated Product Development| Fundamentals of 6-Sigma| Production and Service Systems |Human Factor Analysis

**2011 – 2015: B.Sc. General Degree, Information Technology**

■■■■■■■, Sri Lanka

University of ■■■■■■

Coursework: Linear Programming | Data Mining | Time Series and Forecasting | Advanced Database Systems | Strategic Decision Making

## Key Skills and Tools

**Lean Six Sigma:** DMAIC | 8D | 5S | Design Of Experiments (DOE) | SPC | Kaizen | Value Stream Mapping | DFMEA | PFMEA | Process Optimization

**Technical Tools:** AutoCAD | MySQL | Python | Minitab | Advanced Microsoft Excel | Microsoft SQL Server | SQL Server Integration Services | Git | PuLP | SimPy | Arena

**Qualitative Analysis:** Regression Analysis | Experimental Design | Statistical Modeling | Data Cleaning

## Data visualization And Reporting: Tableau | Power BI | Excel Dashboards

## Certifications

- Six Sigma Green Belt – *Wayne State University*
- Lean Six Sigma: Define and Measure Tools – *Linkedin*
- Lean Six Sigma: Analyze, Improve, and Control Tools – *Linkedin*
- ISTQB® CTFL - Certified Tester Foundation Level - *International Software Testing Qualification Board*
- Google Analytics Individual Certification



## Experience

**Graduate Research Assistant** (January 2021 – Present)

**Michigan, USA**

**Department of Industrial Engineering, Wayne State University – Full time**

- ❖ Studied on Discrete Event Simulation using python.
- ❖ Examined research ideas on Maintenance Optimization models

**Operation Analyst Intern** (August 2020 – December 2020)

**Michigan, USA**

**Sky Rides Inc.- Internship**

- ❖ Designed and implemented a Business Intelligence solution to allow for a standardized process for data reporting, reduced process time by 50%.
- ❖ Analyzed performance of forecast model using Excel and MS Power Query and create recommendations for improvement, forecasting future revenue generation.
- ❖ Aided to decision making across multiple business criteria through the implementation of Tableau and Excel visualizations

**Student Assistant** (May 2019 - April 2020)

**Michigan, USA**

**Office of Environmental Health and Safety, Wayne State University - Part time**

- ❖ Supported to pursue safety standards across different departments in the university.
- ❖ Collected test data for Chemical Safety Shower and Chemical fume hood annual testing.
- ❖ Generated annual and monthly reports for process optimization and Identify the prioritized areas in the university.
- ❖ Prepared Standard Operational Procedures (SOP) for documentation purposes.

**Associate Software Quality Assurance Engineer** (May 2016 – July 2017)

**■■■■■■■, Sri Lanka**

**Pearson - Full time**

- ❖ Developed and executed automated test scripts and identified various bugs and defects in pre-production and delivered high-quality software products to end-user.
- ❖ Utilized Agile Methodologies using Jira as Project Management Tools.
- ❖ As a part of the Agile Scrum team, Active participant in Production Planning meetings, Sprint Planning meeting, Daily Scrum meetings, and created Test Plan document, Test finding documents, Test Status Documents, and QA sign off documents.
- ❖ Managed and maintained the Test Reporting environment in ALM (HP-Application Lifecycle Management) by creating and reporting test suites and test cycles.
- ❖ Performed Functional, Regression, Sanity, Compatibility, Accessibility test on the desktop browser using Windows and Mac.
- ❖ Conferred a Tech Talk on “Early Performance Testing” as part of an organization Initiative.

## Projects

- ❖ Package Identification and Distribution System for Reducing Wait Time at University Housing. (DMAIC Project)
  - Conducted survey and interviews for data gathering, analyzed the data using Excel and Minitab.
  - Developed the SIPOC diagrams, Value Stream Map, Cause-effect diagram, Box plots to analyze the current system and identify strengths and weaknesses in the system.
  - Implemented and trained front desk workers to follow the improved process.