

# Yadu Krishnan Madhu

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GitHub: [github.com/Yadu-M](https://github.com/Yadu-M) | Personal Site: [yadukm.com](http://yadukm.com) | Scarborough, Toronto, ON

## EDUCATION

[Toronto Metropolitan University](#), Toronto ON

Bachelor of Engineering in Computer Engineering - June 2024

## SKILLS

**Programming Languages:** Java, Python, JavaScript/TypeScript, SQL, C, VHDL

**Frameworks/Tools:** React, Node.js, Express, Flask, FastAPI, Git, Docker, RESTful APIs

**Cloud Platforms:** Google Cloud Platform (GCP), Azure

**Software Engineering Practices:** Agile/Scrum, CI/CD, Version Control, Debugging, Testing

**Hardware Boards:** ESP-32, Arduino, Spartan 3E

## CERTIFICATIONS

- IBM Web Development Fundamentals • Ryerson IEEE CSRC Software Fundamentals
- CISCO Network Academy IT Skills 2019 • Ontario Worker Health and Safety Awareness

## PROFESSIONAL EXPERIENCE

Developer - [Greenstar Computers](#), Toronto ON

2024 – 2025

- Automated data aggregation from vendor APIs using Python.
- Built internal dashboard with React to visualize sales data.
- Developed PowerShell scripts to automate 3DMark GPU Benchmarking.
- Conducted QC testing on PC components, further reducing callbacks by 10%.
- Utilized PowerPoint and Google Slides to create presentation material.

IT Technician - [Dhari INC](#), Markham ON

2022 – 2023

- Configured multiple machines daily including laptops, mini/tower desktops.
- Installed missing or corrupted drivers. Diagnosed hard drives for defects.
- Handled QA tasks verify video/audio, Wi-Fi/Ethernet and KBM functionalities.
- Worked on machines in parallel to troubleshoot and perform upgrades.
- Cleaned devices before shipping.

## PROJECT EXPERIENCE

Automated Parking Management System | [Repo Link](#)

Capstone project that simulates a smart parking system

- Prepared engineering documents such as deliverables, gantt/flow charts, circuit diagrams.
- Programmed ESP-CAM Server in C++ to interface with Firebase to upload QR Codes.

[TO Events](#) | [Repo Link](#)

Web application displaying events happening in Toronto on a map, updated monthly.

- Developed Flask API server to fetch and store event data from City Database.
- Integrated MapBox API to visualize event data on a map.