YATHAVAN AARON PUSHPANATHAN

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EDUCATION

Ryerson University   September 2014 - June 2018
Bachelor of Engineering (B.Eng.) - Electrical Engineering

Udemy   December 2020
The Complete 2020 Web Development Bootcamp

PROJECTS

Stick   December 2020
Built with: React, Node.js, MongoDB, and Express
- Developed a mock Google Keep note-taking web application, saving user data on personalized accounts
- Hashed user accounts using Passport with data stored on MongoDB Cloud Atlas
- Deployed with Heroku cloud platform: https://stick-note.herokuapp.com

Story of My Life   November 2020
Built with: EJS, Node.js, MongoDB, and Express
- Created an anonymous blog posting web application, sharing user stories in random order
- Initialized user accounts using Passport and Google OAuth API, with stories saved on MongoDB
- Deployed with Heroku cloud platform: https://dry-retreat-29280.herokuapp.com

To-Do List   November 2020
Built with: EJS, Node.js, and Express
- Built a to-do list web application, that allows users to create lists with personalized categories
- Designed with Bootstrap alongside custom CSS, using MongoDB to store custom lists
- Deployed through Heroku cloud platform: https://evening-citadel-89023.herokuapp.com

Smart Building Heating System – Capstone Design Project   April 2018
Built with: Raspberry Pi 3, Arduino Uno, C, Python
- Developed an application using C and Python to heat rooms individual, utilizing master-slave architecture
- Constructed a working demonstration model using temperature and PIR sensors for data collection
- Deployed a webpage to display IoT system information with Node Red

WORK EXPERIENCE

Upper Canada Access   March 2019 - Present
Technical Coordinator   Toronto, ON
- Developing a tracking, reporting, and schedule application for project scopes on Microsoft Access using SQL
- Designing wiring diagrams and hardware schematics on Microsoft Visio
- Maintaining and testing project point-to-point wiring diagrams
- Analyzing deficiencies and installation reports over several projects' sites via Microsoft SharePoint

Tertec Enterprises Inc   September 2014 - May 2016
Junior Electrical Engineer   Markham, ON
- Enhanced computer programmable circuit boards via soldering, and wiring of additional electrical components
- Worked alongside engineers on projects for larger companies such as Ford, Magna, Tesla, and Chrysler

SKILLS

Programming Languages: JavaScript (ES6), Java, HTML, CSS, Python, SQL
Libraries & Frameworks: React, Gatsby, Bootstrap, Styled Components, EJS, jQuery, Node.js, Express
Tools & Platforms: MongoDB, Git, Webpack, Heroku