

# HEMANT KURUVA

FRONT-END DEVELOPER

## ABOUT ME

Passionate coder with 2 years of professional experience in analysis, design, development of Websites and Web Applications. Armed with an extensive understanding of SDLC and JavaScript ecosystem.

## CONTACT ME

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## SKILLS

**Languages:** JavaScript ES6, HTML5, CSS3, SASS, SQL, GraphQL, C/C++, Python

**JS Libraries/Frameworks:** React, jQuery, Highcharts, Gulp, Jest Framework

**Tools:** Jira, Confluence, Git, GitHub, CodeCommit, Azure, AWS, Docker, Serverless, REST APIs, Wordpress.org

**DB and Back-end:** MongoDB, Node.js, Express.js, MySQL, PHP

**Hosting:** Hostinger, CPanel, Heroku

**Extras:** Photoshop, Adobe XD, Google Studio

## INTERESTS

Photography / Coding / Movies

## LANGUAGES

English, Hindi, Telugu



<https://github.com/111hemant111>

## WORK EXPERIENCE

**SOFTWARE DEVELOPER - CGI, Markham, ON (Sep '19 - Present)**

### 1. Connected Retail

Built software components for an IoT solution "Connected Retail 360" aimed at bringing online shopping experience to physical stores based on Azure IoT Best Practices. Responsible for architecting the project, DPS, developing the React-based Web Dashboard, building C/C++ software for IoT devices and tracking the project.

### 2. Data Migration between systems

Responsible for building a JS-based web application for Data Migration from a legacy business system to a new system.

### 3. Performance Engineering Project for Black Friday

Worked on a Performance Engineering and Testing project for Business. Responsible for developing jMeter scripts in JavaScript, troubleshooting and monitoring project progress &c.

**SENIOR DEVELOPER, FRONT-END - MC Master of Ceremony, NY - Remote (Jun '20 - Oct '20)**

Worked as a Senior Developer for MC, an NY-based startup aimed at developing a Smartphone App/Platform for artists to collaborate live. Responsible for developing a React-based Admin Dashboard and tracking and monitoring the React Native-based Mobile App Development (Code reviews, PRs, Project Planning &c.).

**Software Tools:** React, React Native, Jira, BitBucket, AWS Lambda, S3 &c.

**FREELANCE WEB DEVELOPER - Remote (Apr '19 - Jul '20)**

Currently developing a React-based Web Application called "Word Of Advice" for Health/Workout Assistance for a client - Based on MERN stack.

Built websites for clients using Wordpress.org CMS, Javascript, jQuery, Bootstrap, MySQL DB and PHP Back-end. Client Wordpress.org websites built:

1. NACPT Pharma College - <https://nacptpharmacollege.com/>
2. The Lighting Lamp - <https://thelightinglamp.com/>
3. 50Hands - <https://50hands.org/> and more.

**ROBOTICS INSTRUCTOR - Exceed Robotics, Vaughan, ON (Mar '19 - Sep '19)**

Taught C/C++ to students of 12-17 age, programmed robots based on Arduino platform, developed games based on Python, OpenCV &c.

## EDUCATION

**MASTER OF ENGINEERING (Electrical & Computer Engineering)**

Sept 2017 - Nov 2018

QUEEN'S UNIVERSITY, Kingston, ON, Canada

**BACHELOR OF TECHNOLOGY (ECE)**

Aug 2013 - Jul 2017

G. PULLAIAH COLLEGE OF ENGG. AND TECH., Kurnool, AP, India

## PUBLICATIONS

1. Kuruva, H., Raju, S. (2016). IoT-based anti-theft and remote controlling system for automobiles. International Journal of Science, Engineering and Technology Research, 5(12), 3385-3389. <https://urlzs.com/koHjn>

2. Kuruva, H., Balumuri, S. (2016). Remote plant watering and monitoring system based on IoT. International Journal for Technological Research in Engineering, 4(4), 668-671. <https://urlzs.com/zi4kX>

# PROJECTS

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**1. Connected Retail 360:** Built software components for an IoT solution "Connected Retail 360" aimed at bringing online shopping experience to stores based on Azure IoT Best Practices. Responsible for architecting the project, DPS, developing the React- based Dashboard, building C/C++ software for IoT devices and tracking the project.

**Software Tools:** C/C++ on Azure IoT Edge, Azure Functions (Nodejs), React-based Web App on Azure DevOps, REST APIs, ComosDB, PowerBI for dashboarding &c.

**2. MC App:** A smartphone app/platform that aims at facilitating artists collaborate and compete. The smartphone app is built on React Native while the Admin Dashboard for account owners is built on React. AWS Amplify is used as a Back-end support while MongoDB as the DB.

Responsible for developing the Admin dashboard and tracking the project progress and assigning the tasks for Smartphone App built on React Native.

**Software Tools:** React, React Native, Jira, BitBucket, AWS Lambda, Amplify, S3, MongoDB &c.

**3. Interactive Webform:** A JavaScript-based webform with an interactive registration controls for a fictional conference called 'FullStack Conf.'

#JavaScript #jQuery #HTML #CSS

repo: <https://urlzs.com/gyfSf>

**4. Word Of Advice (Ongoing):** A React-based web application for a client that bridges the barrier between a gym trainer and the trainee. The platform will allow the user to find a gym trainer, browse through their physical development experience, personally message them, have a video interaction and have access to a forum where gym-goers can post questions and get answers from experts.

#React #Node.js #Firebase #JavaScript #HTML #CSS

**5. 'Confusion' Restaurant Web Application (Ongoing):** An end-end React-based web application for a fictional restaurant.

#React #JavaScript #HTML #CSS

repo: <https://urlzs.com/thFHH>

**6. Pagination and Filtering:** A full JavaScript implementation to divide a long list of students into a series of pages and improve the user experience of a web page by including a search bar.

#JavaScript #HTML #CSS

repo: <https://urlzs.com/bDv7y>

**7. IoT-based Low-cost Robotic Arm for disabled (M.Eng. Project):** A robotic arm that can be mounted onto a wheelchair and used by a physically challenged person to perform household tasks independently. The robotic arm can be controlled by joysticks and also a smartphone application.

#C/C++/Embedded C

repo: <https://urlzs.com/zBmGK>

**8. Smart Water Dispensing System:** This projects implements a smart water dispensing system based on RFID and IoT technologies. This project was developed for Kurnool Municipal Corporation (KMC), India.

#C/C++

repo: <https://urlzs.com/prkH6>

**9. Home Automation:** A home automation system that can be controlled by TV remote and smartphone application.

#C/C++

repo: <https://urlzs.com/w7fPo>

**10. Self Balancing Robot:** A self-balancing robot with an IMU to detect the angle of inclination and a PID Controller implementation for torque generation. Sensors and actuators used are explained in the repo.

#C/C++/Embedded C

repo: <https://urlzs.com/ka3Mk>

**11. Smart Classroom:** A smart classroom automating students' attendance, lights and fans switching, board erasing, keypad-based locking in locker-room, remote controlled switching &c.

#C/C++

repo: <https://urlzs.com/TqTdn>

# CERTIFICATIONS

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**FULL-STACK WEB DEVELOPMENT WITH REACT - Specialization** Sept 2020 - Jan 2021  
Coursera, THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

**C++ PROGRAMMING BOOTCAMP** Aug 2018 - Oct 2018  
Udemy