# YASHAS BYSANI MURALIDHAR

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## EDUCATION

**Pace University, New York**                                                                                      **May 2019**
Master's in Computer Science | **GPA:** 3.9

**Visvesvaraya Institute of Technology, Belgaum, India**                                           **July 2017**
Bachelor's in Computer Science

## COURSE

| | | |
|---|---|---|
| Data Structures | Algorithms and Computing Theory | Data Mining |
| Database Management Systems | Artificial Intelligence | Parallel and Distributed Computing |

## TECHNICAL SKILLS

**Programming Languages:** Java, Python
**Web Technologies:** HTML5, CSS3, Bootstrap4, Semantic UI, JavaScript (React, jQuery), AJAX
**QA:** Selenium WebDriver, JUnit, TestNG, Testing (Unit, White box, Black box, System, Accessibility and Regression)
**Databases:** MySQL, MongoDB
**Tools / Technologies:** AWS, Git, Scrum, Android, VMware, MS Office, Sketch, Maven, JIRA, Jenkins, Tableau

## EXPERIENCE

**Quality Assurance Automation Engineer Intern at Department of Sanitation, New York**        **June 18 – Present**
- Reduced 50% manual effort by updating modules of the framework for testing the software "S.M.A.R.T" using Java
- Performed end-user testing for the offline scenario for the software "S.M.A.R.T" using manual testing
- Developed 20 regression test cases to verify unauthorized usage with ARC, selenium and java
- Yielded a 90% reduction in manual effort by automating 70+ test cases to validate web forms, web links, and UI for DSNY website using Java, Selenium, WebDriver, JUnit and TestNG

**Software Engineer Intern at Unitech Transfer, Bengaluru**                                           **June 16 – August 16**
- Collaborated with teams to create a voice-controlled game, increasing interactivity and responsiveness among users
- Implemented resource packages to analyze speech using the NLTK toolkit and Python
- Generated Excel reports and relevant documentation for QA team to test the application's performance

**Android Developer Intern at Prakyath Applications, Bengaluru**                                   **July 15 – March 16**
- Improved system quality by 25% by creating 40 test cases from 25 user stories using android studio and espresso
- Coordinated with UI/UX team to design layouts for a mobile application using Sketch
- Developed home, user profile, about and settings pages for a campus management android application

## ACADEMIC PROJECTS

**Illness Prediction System** (Python, SVM, NLP, ReactJS, Bootstrap 4, AJAX)                     **January 18 – Present**
- Developed a web application to predict a patient's illness based on their symptoms using Machine Learning
- Implemented repositories of user medical data to make accurate predictions
- Built a Chatbot using Python and NLP toolkit for patients to communicate their symptoms

**Restaurant web application** (Python-Flask, Docker, HTML5, CSS3, JavaScript)                   **April 18**
- Developed a web application for a restaurant using JavaScript for online ordering and tracking
- Embedded the system into a Docker container using Python-Flask for standardization and increased security

**Comprehensive System for Smart Shopping** (Java, PHP, Bootstrap, MySQL)                     **January 17 – May 17**
- Designed and developed an Android application for supermarkets and enabled in-app billing to customers
- Implemented barcode scanning of products using Zxing libraries in Android Studio
- Built a store side system to manage stocks adequately using HTML5, CSS3, PHP, Bootstrap, Java and MySQL

**Progressive Web Application for Sir MVIT** (HTML5, CSS3, JavaScript, PHP, MySQL)             **July 16**
- Developed a progressive web application to maintain records of 8000+ students and faculty using JavaScript
- Introduced the system to all university administrators reducing manual data entry and inaccuracy
- Validated overall usage of UI in Chrome and Firefox browsers using Lighthouse to improve performance.