YASHAS BYSANI MURALIDHAR

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SUMMARY

A highly skilled and knowledgeable Computer Science graduate student with extensive knowledge of programming and computer applications. Looking for an opportunity in the field of Software Development.

EDUCATION

Master's in Computer Science, Pace University, New York   **May 19**

Bachelor's in Computer Science, Visvesvaraya Technological University, Belgaum   **July 17**

COURSE

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

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 (Advanced Rest Client), 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 (https://www1.nyc.gov/assets/dsny/site/home) 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 and to analyze 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

TECHNICAL SKILLS

Programming Languages:	Java, Python
Web Technologies:	HTML5, CSS3, XML, Bootstrap4, Semantic UI, JavaScript(React, Node, JQuery), AJAX
QA:	Selenium WebDriver, JUnit, TestNG, Testing (Unit, White Box, Black Box, System, Accessibility and Regression)
Database Technologies:	MySQL, MongoDB
Other tools and Technologies:	AWS (EC2), GIT, GitHub, Android Studio, Eclipse, VMware (Workstation), Microsoft Office, Linux, Lighthouse, Sketch, Maven, JIRA, Jenkins, Tableau, Confluence

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 Algorithms
- Implemented user repositories to store medical data, improving readability and for accurate predictions using ReactJS
- Built a ChatBot improving users interactivity and to express their symptoms using Python, NLP toolkit and Bootstrap4

Restaurant web application with Docker (Python-Flask, Docker, HTML5, CSS3, JavaScript)   **April 18**

- Developed a web application for a restaurant using HTML5, CSS3 and JavaScript for online ordering and tracking
- Encompassed the system into a Docker container using Python-Flask for standardization and increased security

Network Analysis (Java, Jason)   **October 17**

- Built a program to analyze traffic flow at selected time interval for the campus Wi-Fi network using Java and Jason
- Implemented Kruskal algorithm to discover lest cost routes to select the best router for users across the campus

Comprehensive System for Smart Shopping (Java, XML, HTML5, CSS3, PHP, Bootstrap, MySQL)   **January 17 – May 17**

- Designed and developed an Android application (SAMY) for smart item detection (scanning barcode using zxing library) in supermarkets, eliminating the hassle of long queues and provided secure mobile payment options
- Executed store side to manage item stock 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 app to maintain records of 8000+ student and faculty using JavaScript, HTML5 and CSS3
- Introduced the system for all administrators reducing manual data entry and inaccuracy for university records
- Validated user interface and improved performance using Lighthouse for Chrome and Firefox web browser