KAUSHAL SHUKLA

61 Oak Street,
Binghamton, NY-13905
+1(607)-232-2842 | **kshukla1@binghamton.edu**
www.linkedin.com/in/kaushal-shukla-a65063119

EDUCATION

Master of Science in Computer Science   **May 2019**
Binghamton University, State University of New York
Thomas J. Watson School of Engineering
GPA: 3.4/4.0

Bachelor of Engineering (Computer)   **June 2016**
Savitribai Phule Pune University
(formerly University of Pune)
Pune, India
First Class Grade

TECHNICAL SKILLS

Languages: Java, Python, C, C#, HTML, CSS, JavaScript, PHP, PL-SQL.
Tools: NetBeans, Visual Studio, Brackets, Oracle SQL *Plus, Android Studio, MongoDB, Git, Docker, Google Cloud Platform.
OS: Linux, Robot Operating System.
Frameworks: Bootstrap, Hadoop.

PROJECTS

Web Application for Text Summarization   **Apr 2019**
Implemented an Automatic Text Summarizer in Python which used the extraction-based summarization technique. Also, implemented TextRank algorithm to extract relevant text from the paragraph. Built a Python Flask server for the application to make it available through web browser. Designed the Front end using Bootstrap framework.

Teleoperation of TurtleBot over Web   **Nov 2018**
Created a system for remotely controlling and monitoring multiple TurtleBot robots from web browser. Set up a master server on robot to send live video stream to client. Also, developed ROS's message listener in Python to give control of the robot through buttons and keyboard.

RESTful Web Services for Steganography and Image Storage/Retrieval   **Mar 2018**
To understand the server-side web programming, implemented Web Services in Node.js to create REST APIs for hiding and unhiding text data into image using bit twiddling, further storing the image into the NoSQL database and retrieving it. Also, made Web Services accessible through dynamic HTML using Mustache.js template technology.

Out-Of-Order processor Simulator in Java   **Nov 2017**
Implemented course project for simulating processor such as Intel P6, supporting Out of Order execution of assembly language instructions, Issue Queue, Load Store Queue, Reorder Buffer. Developed separate functions for each pipeline stage to process each instruction and pass them to subsequent stage.

Life Insurance Portal using multiple programming paradigms   **Oct - Nov 2017**
Developed a multi-paradigm web application in Java, PL/SQL and Scala. Mainly responsible for developing the insurance system workflow using the procedural paradigm in PL/SQL. Implemented the transaction workflow and customer premium payment schedule plot.

Reducing Data Redundancy in Local Network using Multimedia Streaming Application   **Jan - May 2016**
A Windows based Application developed in C# to stream media files between devices using Real-time Transport Protocol to reduce data redundancy in local network. The application allows to stream media files without use of the internet connection enabling maximum bandwidth usage of the router.
Paper Link: http://www.ijltemas.in/DigitalLibrary/Vol.5Issue2/38-41.pdf

EXTRA CURRICULARS

- Certifications in HTML, CSS, PHP, JavaScript, C# and Hadoop.
- Diploma in Mobile Application Development with Distinction grade in 2017.