

GOUTHAM RAVICHANDRAN

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SKILLS AND TOOLS

Java, Python, C++, Git, HTML, CSS, JavaScript, Flask, Tkinter, Linux, SQL, Jira, Selenium, AWS, NodeJS, MongoDB, JDBC, Machine Learning, Test Automation, Agile, Leadership, Communication, Team Collaboration, Analytical skills

EDUCATION AND HONORS

Binghamton University, State University of New York

Master in Computer Science

Cumulative GPA: 3.655/4.00

Relevant Coursework: Programming Languages, Introduction to Data Mining, Introduction to Machine Language, Design and Analysis of Algorithms, Computer Architecture, Operating Systems, Social Media Data Science Pipeline, Design Patterns and Database Systems

Binghamton, NY

Expected 05/2023

Anand Institute of Higher Technology, Affiliated to Anna University

Bachelors in Electronics and Communication Engineering

Cumulative GPA: 6.68/10.00

Chennai, India

05/2017

PROFESSIONAL EXPERIENCE

THE RAYMOND CORPORATION

Software Quality Developer CO-OP INTERN

New York, USA

02/2023 – 03/2023

- Designed a full stack Python GUI simulator to replace a sensor hardware component which utilizes CAN network for test purposes leading to more time saving, thorough and efficient testing. Achieved this with 15 - 25 ms latency.

WIPRO TECHNOLOGIES

Project Engineer

Chennai, India

01/2020 – 08/2021

- Automated manual cases and optimized existing payment injections in an agile way for smoke sanity and regression testing by Jenkins and Java to ensure smooth payments flow which increased the credibility of the bank's application.
- Automated unit and regression test cases to ensure 95% of successful Selenium test runs for a mobile and web-based application and tested the remaining manual cases with Appium and Postman. Committed to GitHub frequently.

WIPRO TECHNOLOGIES

Project Engineer

Chennai, India

05/2018 – 12/2019

- Designed and developed web-based application to view and breakdown the SSL certificates of the company using company's API, Python, Django and databases which helped in the company saving a lot of money.

LEADERSHIP EXPERIENCE

- Mentored and led the team to provide knowledge transfer and assisted team lead with workloads at Wipro.
- Helped team in understanding the game concept and divided the work to effectively utilize the time of each member in the Robotics car rally during undergrad, thereby winning certificate for our effective participation.

PROJECTS

Chatbot

Binghamton University, NY 03/2022 – 05/2022

- Built a chatbot by implementing multi-threading and multiprocessing concepts by utilizing the queue concepts.
- Challenges faced while implementing the threading concepts and initiated conversation between threads as inputs.

Social Media Data Collector

Binghamton University, NY 09/2022 – 12/2022

- Created a data collector which collected all the tweets, reddit posts and 4Chan posts about the midterm election.
- Analyzed the data using topic and sentimental analysis for the unique factor that shaped the election.

Published Paper: <https://hcommons.org/deposits/item/hc:46163>

ADDITIONAL INFORMATION

Certificates: AWS Cloud Practitioner (DMPVBT0CNM1Q1N3C), AWS Developer Associate (DX4TEBMKPEFQ1QC8), AWS Solutions Architect (PRDK7BMKHB14QZ52)

Language: Proficient in English and Tamil, Conversant in Hindi, Turkish and Korean

Volunteer Experience: Symposium Event Management, American Red Cross Blood Drive