

SHRAVANI CHERUPALLY

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science, Binghamton, New York

Master of Science in Computer Science

Expected May 2024

Cumulative GPA: 3.59/4.00

Relevant Coursework: Design Patterns, Social Media Data Science Pipeline, Design and Analysis of Algorithms, Operating Systems, Computer Architecture and Organization, Computer Security, Computer Networks, Programming Languages

Gokaraju Rangaraju Institute of Engineering and Technology, Department of Electronics and Communication Engineering, Hyderabad, India

Bachelor of Technology in Electronics and Communication Engineering

September 2020

Cumulative GPA: 3.94/4.00

Relevant Coursework: Data Structures, Computer Programming, Computer Architecture and Organization, Principles of Operating Systems, Object Oriented Programming through Java (Lab), IT Workshop, Digital Image Processing

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, SQL/PLSQL, HTML/CSS, LabVIEW, MATLAB

Software: Oracle SQL Developer, MySQL Workbench, Visual Studio Code, Visual Studio, Jupyter Notebook, Microsoft Office Suite

Frameworks: React, Angular

Additional: Factory Job Scheduler, Web Crawler – 4Chan API

Certifications: Microsoft Technical Associate – Networking Fundamentals

PROFESSIONAL EXPERIENCE

Binghamton University, Department of School of Management, Binghamton, NY

Teaching Assistant

August 2023 – Present

- Contributes to the building of coursework, curriculum, and subject material for undergraduate students in Computer Tools for Management course.
- Coordinating in teaching, grading, lecturing, and invigilating examinations, fostering a dynamic learning environment.

Tata Consultancy Services, Hyderabad, India

Assistant System Engineer

August 2020 – August 2022

- Demonstrated commitment to quality assurance in an insurance sector project, excelling in comprehensive test reporting, execution, and bug detection. Utilized PLSQL for backend development. Applied Agile Methodology and JIRA to optimize test case execution, showcasing strong attention to detail and problem-solving.
- Successfully automated key functionalities, reducing manual workload, improving productivity, and contributing to overall project efficiency.

PROJECT EXPERIENCE

Web Crawler – 4Chan API – Developer | Individual | Binghamton, NY: Utilize Python to pull data from the 4Chan API, employ Factory scheduler for automated thread extraction, store results in PostgreSQL, and plot data using Matplotlib in a project showcasing seamless integration and analysis

Retail Business Management System – Developer | Team Project | Binghamton, NY: Designed and developed a Business Management System to obtain an application that manages sales, workforce, and inventory of an organization, using Java JDBC and PLSQL

Digit Recognizer – Developer | Team Project | Hyderabad, India: Developed a 11-stage Convolutional Neural Network to identify hand-written digits, by training the model with a huge data of 75000 images, and obtaining an accuracy of 92%

ACHIEVEMENTS AND AWARDS

- Received appreciation from client, in the Nationwide insurance project while working with Tata Consultancy Services in March 2022
- Internshala Student Partner, promoting the platform to help students secure dream internships and acquire valuable skills