# SHRAVANI CHERUPALLY

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science**
*Master of Science in Computer Science*                                                                                           *Expected May 2024*
**Cumulative GPA:** 3.41/4.00
**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, Hyderabad, India**
*Bachelor of Science in Electrical and Electronics Engineering*                                                                    *September 2020*
**Cumulative GPA:** 3.94/4.00

## TECHNICAL SKILLS

**Languages**     : Java, Python, C, SQL/PLSQL, HTML/CSS, LabVIEW, MATLAB
**Software**      : Oracle SQL Developer, MySQL Workbench, Visual Studio Code, Anaconda/Jupyter
**Additional**    : Faktory Job scheduler, Angular, Web crawler – 4Chan API, Microsoft Office Suite
**Certifications:** Microsoft Technology Associate – Networking Fundamentals

## PROFESSIONAL EXPERIENCE

**Binghamton University,** *Teaching Assistant* | Binghamton, NY                                                                   *August 2023 – Present*

- Assisted in building coursework, curriculum, and subject material for undergraduate and master's level in Computer Tools for Management course for 174 students
- Responsibilities include – teaching, grading, and lecturing students, fostering a dynamic learning environment

**Binghamton University,** *Special Collections Assistant* | Library | Binghamton, NY                                              *August 2023 – Present*

- Assist with arrangement and processing of archival collections. This includes sorting, rehousing, filing, labeling, and creating inventories in Excel and other programs
- Create guides and other reference tools to facilitate access to archival collections. Enter data into an online archival database

**Tata Consultancy Services,** *Assistant System Engineer* | Hyderabad, India                                                      *August 2020 – August 2022*

- Worked as a Quality Analyst in an insurance sector project, responsibilities including test reporting on daily and weekly basis through scrum meetings, testing application in various operating systems, detecting and reporting bugs if any and automating certain functionalities to reduce human effort
- Worked under Agile Methodology – Used JIRA tool to execute test cases, review results of tests and report defects

## PERSONAL PROJECTS

**Retail Business Management System** | *Group* | **Java JDBC, PL/SQL**
- Successfully executed an academic project in Java JDBC and PL/SQL, developing a Retail Business Management System application that offers an effective solution for overseeing all aspects of retail business operations

**Web Crawler – 4Chan API** | *Individual* | **PostgreSQL, Python, Faktory**
- Used Python to pull data from 4Chan api, and used Faktory scheduler to run jobs that extract archived threads
- Stored the results in database using PostgreSQL and plotted the results using MatplotLib

**Digit Recognizer** | *Group* | **Convolutional Neural Networks, Python**
- Designed a 11-stage CNN to recognize handwritten digits
- Trained the model with 42000 images and tested the model with 28000 images with 92% accuracy

## ACHIEVEMENTS AND AWARDS

- Received appreciation from client, while working with Tata Consultancy Services in March 2022
- Internshala Student Partner
- Executive Member of Insight the Needful Foundation (an NGO Organization)