

# Venkata Sri Sai Surya Vinay Upadhyayula

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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* 2023 - Present

**Cumulative GPA:** 3.87/4.00

**Relevant Coursework:** Data Structures and Algorithms, Programming for the Web using MERN Stack, Data Science, Computer Architecture, Database Systems, Object Oriented Design, Operating Systems, Computer Networks and Security

**Gokaraju Rangaraju Institute of Engineering and Technology(GRIET), Hyderabad, India**

*Bachelor of Engineering in Electronics and Communications Engineering*

September 2020

**Cumulative GPA:** 3.56/4.00

## TECHNICAL SKILLS

**Programming and Scripting Skills:** Java, Typescript, Python, C/C++, HTML, CSS

**Database and query languages:** MySQL, Elastic Search, MongoDB, Spring JPA

**Frameworks & Tools:** Spring Boot, Spring MVC, Spring Security, REST API, Maven, Angular, React JS, Sckit Learn, Numpy

## PROFESSIONAL EXPERIENCE

**Binghamton University, Teaching Assistant** | Binghamton, NY

August 2023 – Present

- Worked as a Teaching Assistant for Data Structures and Algorithms.
- Assisted in coursework, grading, conducting lab sessions every week for a class of over 60 students

**Tata Consultancy Services(Hyderabad, India), Systems Engineer** | **Client : Proximus**

*Workforce Management Integration Layer*

June 2022-December 2022

- Worked on a full stack Workforce management application using Apache camel, XSLT transformation, Angular and Spring Boot
- Participated and demonstrated in various discussions with the client from the feature description level to post implementation testing

**National Directory Search**

November 2021-June 2022

- Developed a Directory search portal project for a Belgium Client using Spring Batch Processing, Spring Boot, Angular, REST, ElasticSearch DB, Spring Cloud
- Played a key role in the development right from the project initiation phase to the handover phase
- Onboarded new graduate students and trained them on project related technical technologies

**Central Digital Communication Platform eXtension - Test Automation Integration**

July 2021-November 2021

- Developed a UI functionality using Angular 10 and Node JS to integrate Web Service Automation Testing using Selenium and REST Framework
- Implementation of the functionality reduced the manual testing overhead thereby cutting the overall cost for the client

## LEADERSHIP EXPERIENCE

**Binghamton University, Bus Captain** | Binghamton, NY

August 2023

- Helped incoming graduate and undergraduate students to safely reach the university from New York Airport
- Coordinated with the students, parents and the Office of Graduate Recruitment and Admissions team

**GRIET, Class Representative** | Hyderabad, India

August 2016-September 2020

- Acted as a point of contact between students and the department, addressed student issues and difficulties in coursework, curricular and extracurricular activities
- Helped the department in the design of electives in the curriculum so that students are industry ready

## PROJECT EXPERIENCE

**Spreadsheet development, Individual** | **Typescript, MongoDB, React JS**

- Implemented a complete spreadsheet functionality using Typescript, MongoDB, web services and react js

**Retail Business Management System, Group** | **PL/SQL, Java JDBC**

- Completed a Java JDBC and PL/SQL academic project that implements Retail Business Management System application that provides an efficient solution to manage all the retail business operations

**Black Friday Sales Prediction Analysis, Independent Study, Individual** | **Machine Learning, Numpy, Python**

- Performed exploratory data analysis and used various Regression algorithms to predict the amount in a retail store based on historical sales transactions