

Manogna Chennuru

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EDUCATION:

University of North Carolina at Charlotte, Charlotte, NC

Jan 2023 – May 2024

Master of Science (Major in Computer Science) - GPA: 4.0/4.0

Sreenidhi Institute of Science and Technology, Hyderabad, India

Aug 2017 – July 2021

Bachelor of Technology in Computer Science - GPA: 8.3 /10

PROFESSIONAL WORK EXPERIENCE:

Automatic Data Processing (ADP) – Member Technical, Hyderabad, India

Sept 2021 – Dec 2022

- Worked as a **Site Reliability Engineer (SRE)** at ADP, contributing to the maintenance and optimization of the ADP VANTAGE product.
- Automated end-to-end build, integration, delivery, and deployment processes using Ansible, Groovy, and Jenkins, resulting in improved operational efficiency and reduced deployment errors.
- Managed ICP deployments in IBM Cloud, EKS deployments in AWS Cloud, and legacy UI and DB deployments in virtual machines.
- Collaborated with cross-functional development and testing teams to optimize system performance and troubleshoot deployment issues, earning recognition, including SRE Of the Month in August 2022.

WORK EXPERIENCE (PART-TIME):

UNC Charlotte – Teaching Assistant, Charlotte, USA

Jan 2024 – Present

Course ITCS 6100 - Big Data Analytics for Competitive Advantage under: [Dr. Pamela Thompson](#).

- Provided instructional support and hands-on expertise with Amazon Web Services (AWS).
- Engaged in course project development and grading assignment submissions for 100 students.

UNC Charlotte – Teaching Assistant, Charlotte, USA

Aug 2023 – Dec 2023

Course ITCS 4111/5111 - Introduction to Natural Language Processing under: [Dr. Razvan Bunescu](#).

- Collaborated in the development of course materials and assignments catering to both undergraduate and master's students.
- Conducted two weekly office hours, aiding students with NLP queries and assignment comprehension.

UNC Charlotte OneIT office – Desktop support technician, Charlotte, USA

Jan 2023 – July 2023

- Effectively resolved software-related issues across the campus, ensuring the resolution of reported tickets on the [OneIT website](#).
- Managed the installation, setup, and configuration of newly acquired devices within the campus.

PROJECTS:

Company Collaboration web app, ADP

Sept 2021 – Nov 2021

- Developed a responsive Single Page Application (SPA) using Angular, facilitating employee interaction and collaboration.
- Created RESTful APIs in NodeJS to enable seamless CRUD operations, with data stored in a MySQL database.
- Successfully executed the project independently as part of new graduate training, demonstrating proficiency in web development and database management.

Covid-19 data prediction, SNIST

Apr 2021 – June 2021

- Designed and implemented a predictive model using the Long-Short Term Memory (LSTM) network to forecast future cases and fatalities related to the COVID-19 pandemic.
- Leveraged Pandas, Matplotlib, Seaborn, NumPy, and Scikit-Learn for data manipulation, visualization, numerical operations, and to train the model.

TECHNICAL SKILLS:

- **Programming Languages:** Python, Golang, Java, C, HTML, CSS, JavaScript, TypeScript, Groovy, R.
- **Frameworks:** Spring Boot, Node JS, REST APIs, Angular JS, React JS.
- **Tools and Technologies:** Ansible, Kubernetes, GIT, Docker, AWS Cloud, IBM Cloud, Jenkins, CI/CD Pipeline, Splunk.
- **Foundation Concepts / Courses:** Data Structures and algorithms, Database Management (DBMS/RDBMS), Introduction to Data Science, Data Mining, Cloud Computing for Data Analysis, Big Data Analytics, Visual Analytics, Statistics, Agile Methodologies.
- **Others:** SQL, MySQL, NoSQL, Tableau, NumPy, Pandas, Matplotlib, Scikit-learn, Hadoop.