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**

SKILLS:

- **Programming Languages:** Java, **Python**, **Golang**, Java, HTML, CSS, Bootstrap, JavaScript, TypeScript.
- **Frameworks**: Node.js, **Angular JS**, Spring Boot, REST APIs, React JS.
- **Tools and Technologies**: Jenkins, CI/CD Pipeline, Ansible, Kubernetes, GIT, Docker, **AWS Cloud**, IBM Cloud, Splunk.
- **Others:** Unit Testing, MySQL, NoSQL, Hadoop, Tableau, **NumPy**, **Pandas**, Matplotlib, Scikit-learn, JSON.

EXPERIENCE:

[UNC Charlotte CCI Department](#) – *Teaching Assistant, Charlotte, USA* *Jan 2024 – May 2024*
Course ITCS 6100 - Big Data Analytics for Competitive Advantage under: [Dr. Pamela Thompson](#).
- Collaborated in the development of course materials and assignments catering to both undergraduate and master's students.

[UNC Charlotte CCI Department](#) – *Teaching Assistant, Charlotte, USA* *Aug 2023 – Dec 2023*
Course ITCS 4111/5111 - Introduction to Natural Language Processing under: [Dr. Razvan Bunescu.](#)
- Provided instructional support, aiding students with NLP queries and assignment comprehension.
- Employed Python proficiency with **NumPy**, Pandas, **Spacy**, NLTK, TensorFlow and Chat Completion API.

[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](#).

[Automatic Data Processing](#) (ADP) – *Member Technical, Hyderabad, India* *Sept 2021 – Dec 2022*
- Served as a **Site Reliability Engineer (SRE)** for [ADP Vantage HCM](#), a robust payroll management solution designed for multinational corporations with **over 1000 employees.**
- Implemented Automated End-to-End Continuous Build, Integration, Delivery, Release, and Deployment processes.
- Led the implementation of a Webex integration for a Change Order (CO) management project, resulting in a substantial increase in productivity across the entire NAS VANTAGE TEAM, which consists of over a hundred employees.
- Involved in the migration of infrastructure, transitioning from in-house virtual machines to **Amazon Web Services** EC2 hosts, **EKS Clusters** (Elastic Kubernetes Service), and Docker containers.
- Developed **CI/CD pipelines** to facilitate deployment of user interface (UI) and database (DB) deployments.
- Recognized with the **Employee of the Month** award (August 2022) for outstanding contributions to the project.

PROJECTS:

Anime Script Assistant *Jan – Feb 2024*
(Python, Spacy, TensorFlow, NLTK, scikit-learn, JSON, Chat Completion API with GPT)
- Utilized Chat Completion API with GPT to assist authors in generating anime scripts by answering queries related to plot elements, character development, and storylines, while curating and preprocessing diverse anime script data with state-of-the-art NLP models.

Company Collaboration web app *Sept 2022 – Nov 2022*
(JavaScript, Angular, REST APIs, Node JS, MySQL, AWS)
- Developed a company collaboration website for employees to interact and engage within the company, utilizing Angular for the frontend and Node.js for the backend. Employed a MySQL database for efficient data management.
- Performed thorough unit testing with JUnit to ensure component functionality and reliability, enhancing robustness and minimizing errors.

Covid-19 data prediction *Apr 2021 – June 2021*
(Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn)
- 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.