**MOUNICA SIRI CHANDANA TAMALAMPUDI**

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EDUCATION

**University of North Texas *Denton, Tx***

*Master of Science in Data Science,* **CGPA: 3.875** *Expected: December 2023*

* **Relevant Coursework**: Machine Learning, Data Visualization, Data Modelling, Discovery and Learning with Big Data, Data Analysis and Knowledge Discovery.

**Pragati Engineering College *Rajahmundry, India***

*Bachelors in computer science,* ***GPA*:8.4** 2015-2019

* **Relevant Coursework**: C Programming, Advanced Data Structures, Object Oriented Programming through C++, Probability and Statistics, Compiler Design, Database Management, Operating Systems, Web Technologies, Computer Networks, Cryptography and Network Security.

**Certifications**: Python Bootcamp from Zero to Hero (Udemy), Python for Data Science & Machine Learning (Udemy), Oracle Certified Associate JavaSE8 Programmer (Oracle)

PROFESSIONAL EXPERIENCE

**Department of Information Science, University of North Texas *Denton, Tx***

*Data Visualization or Representation in AR/VR*, *Research Assistant June 2023 – August 2023*

* Actively researching and implementing data visualization techniques within Unity 3D, including dynamic representations like bar charts and data trees, as part of a role as a research assistant.
* Utilizing Unity 3D to innovate and experiment with diverse methods of data representation, fostering a deeper understanding of interactive visualizations such as bar charts and data trees in a research-focused capacity.

**Whitehat Jr *Mumbai, India***

*Coding Instructor January 2021-October 2022*

* Teaching coding to the young adults in India's EdTech platform.
* Hands on experience with Python, Python libraries like NumPy, Pandas, Matplotlib, Seaborn, HTML, CSS.
* Ability to prepare concise and error free proof of concepts to explain complex concepts.
* Interacting with parents and updating them about students' performance on a regular basis.

**Capgemini Company *Chennai, India***

*Full Stack Developer July 2019- January 2021*

* It allows the customer to create an account, deposit and withdraw amount, check balance, amount transfer, and view his previous transactions It is developed in the following phases:
* In-memory data storage (Using Collections)
* JDBC Implementation
* Angular as front-end and Spring Boot as back-end.

PROJECTS

**Titanic: Machine Learning from Disaster**

Developed a machine learning model using a large dataset to predict Titanic passenger survivability. performed data preparation, resolving missing values, and feature engineering to retrieve useful information. used a variety of classification methods, including Random Forest and Support Vector Machines, to forecast survival results.

**House Prices: Advanced Regression Techniques**

Implemented advanced regression algorithms on a dataset including different property attributes to forecast house prices. To improve predictive accuracy, exploratory data analysis, feature engineering, and data transformation were carried out. XGBoost and Lasso Regression models were used to produce precise price predictions.

LEADERSHIP EXPERIENCE

**COI Student Ambassador:**

As a College of Information (COI) Student Ambassador, I proudly represent my department. I actively collaborate with faculty and staff to contribute to the success of various events, support recruitment efforts, and engage in diverse activities that enrich the college community.

SKILLS

* **Languages:** Python (Matplotlib, Seaborn, Sklearn, TensorFlow, SQL, Java, MATLAB
* **Analysis Techniques:** Logistic Regressions, Decision Trees, Neural Networks, Random Forests, Hypothesis Testing, A/B Testing
* **Tools:** Git, Kaggle, Jupyter, PyCharm, VSCode, Tableau, Excel