Hanuma Venkata Vijay Kamal Konduri

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Education

University of Massachusetts – Dartmouth   **Dartmouth**, MA
Masters in Data Science   April,2025
Relevant Coursework: Data Mining, Data Visualization, Applied Statistical Modeling, Database Management, Advanced Python & R Programming

Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya University   Tamil Nadu, India
Bachelor of Engineering, CGPA: 9.3/10   2019 – 2023

Experience

Exposys Data Labs   remote
Data Science Intern   July 2022
- Collaborated with cross-functional teams to develop **end-to-end data pipelines** and **visualization dashboards**.
- Assisted in **data preprocessing, feature engineering, and predictive modeling** for business solutions.

Projects

Parallelizing Lung Cancer Detection using CNNs
- Developed a **Convolutional Neural Network (CNN)** for **lung cancer detection**.
- **Optimized processing using parallel computing (CUDA, TensorFlow, Python multiprocessing)**.
- Enhanced model performance by leveraging **GPU acceleration**.

Crime Trends and Patterns in the U.S. (1979-2019)
- Developed an **interactive data visualization platform** using **D3.js, JavaScript, and Python**.
- Analyzed **large-scale crime datasets** to identify **patterns and predictive trends**.
- Implemented **cartograms and choropleths** to illustrate geographical crime variations.

Uber Fare Prediction using Machine Learning
- Built and optimized **predictive models** using **Python (Pandas, Scikit-learn, TensorFlow)**.
- **Engineered key ride features** to improve model accuracy and enhance fare predictions.
- Applied **SQL** for data extraction and preprocessing.

Leadership & Activities

Esports Club, University of Massachusetts Dartmouth   **Dartmouth**, MA
Member

- Participated in organizing and competing in esports tournaments

Skills & Interests [Note: Optional]

- **Technical: Python, R, SQL, Tableau, Power BI, D3.js, TensorFlow, Pandas, OpenCV**
- **Programming: Advanced proficiency in Python, SQL, and R**
- **Certifications: Full Stack Data Science**
- **Interests: Data Analytics, AI, Machine Learning, Sports, Gaming**