

Hanuma Venkata Vijay Kamal Konduri

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🌐 LinkedIn

PROFESSIONAL SUMMARY

- Motivated Data Scientist with expertise in Python, R, and SQL, specializing in machine learning, data visualization, and web development. Adept at crafting innovative solutions through advanced analytical techniques and interactive visualizations. Committed to leveraging data-driven insights to drive impactful decision-making in fast-paced environments.

SKILLS

Programming:

Python (TensorFlow, Pandas, NumPy, OpenCV), R, SQL

Data Visualization:

D3.js, Tableau, Power BI, Matplotlib, Seaborn

Web Development:

JavaScript, HTML, CSS

Tools:

Git, Excel, UNIX/Linux

Machine Learning:

Neural Networks, Transfer Learning, Parallel Computing

PROFESSIONAL EXPERIENCE

Internship at Exposys – Data Science

Exposys Data Labs 🔗

- Collaborated with cross-functional teams to develop end-to-end data pipelines and visualization dashboards.
- Enhanced model performance through feature engineering and hyperparameter tuning.

PROJECTS

Crime Trends and Patterns in the United States (1979-2019)

- Developed an interactive web-based visualization for crime trends using **D3.js**.
- Incorporated **cartograms** and **choropleths** to depict crime patterns geographically.
- Utilized **HTML**, **CSS**, and **JavaScript** to design a user-friendly interface.
- Analyzed and visualized a dataset spanning four decades to uncover trends in crime rates.
- Highlighted the impact of socio-economic factors on crime using advanced visual techniques.

Parallelizing Lung Cancer Detection using CNN

- Designed a CNN model for lung cancer detection, leveraging GPU and CPU for parallel processing.
- Utilized **TensorFlow**, **CUDA**, and Python's multiprocessing library to enhance model performance.

Uber Fare Prediction

- Built and deployed a machine learning model to predict Uber fares based on ride data.
- Ensured reliability and accuracy through comprehensive data validation and analysis.

Brain Tumor Detection using CNN

- Implemented a CNN for brain tumor detection using **TensorFlow** and transfer learning techniques.

EDUCATION

Masters in Data Science

University of Massachusetts, Dartmouth

2023

Dartmouth, MA

Bachelor of Engineering

Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya University

2019 – 2023

Tamilnadu, India

COURSEWORK

- Data Mining and Warehousing
- Database Management Systems
- Data Visualization and Communication
- Advanced Programming in Python/R
- Statistical Analysis and Modeling

CERTIFICATES

- Full Stack Data Science [↗](#)
- Internship at Exposys [↗](#)

EXTRACURRICULAR ACTIVITIES

Member, Esports Club, University of Massachusetts Dartmouth (UMassD)
Participated in organizing and competing in esports tournaments.

INTERESTS

Traveling | Gaming | Reading | Food