

Kalki Chakrapani

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Summary

Innovative Machine Learning Engineer with hands-on experience in implementing cutting-edge machine learning projects, leveraging a deep understanding of AI algorithms and computer vision techniques.

Education

Bachelor of Science in Cognitive Science

The University of Texas at Dallas, Richardson, TX – August 2023

Technical Skills

- **Cloud:** AWS
 - **Operating Systems:** Windows, Linux
 - **Programming Languages:** Python, Golang, C++, Java, HTML
 - **Machine Learning:** OpenCV, TensorFlow, Pandas, Scikit-learn, NumPy, Matplotlib, Seaborn, spaCY, GenSim, Hugging Face
 - **Tools/Technologies:** VMWare, Microsoft Excel, SQL
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Academic Projects

Artificial Intelligence - Pacman Capture the Flag (Spring 2022)

- Built a multiplayer 'Capture the Flag' variant of Pacman using Python.
- Implemented BFS and A* Heuristic Search techniques to find optimal paths.
- Coordinated agents to control both Pacman and ghosts, optimizing team strategies.
- Explored deep neural networks.

Computer Vision – Image Processing (Spring 2022)

- Developed an app utilizing Machine Learning classification methods for Computer Vision, such as k-nearest neighbors, Logistic Regression, SoftMax Regression, and Support Vector Machines.

- Built object detection models using Haar Cascade classifiers, R-CNN, and MobileNet.
- Employed OpenCV and Python libraries for the full application.