Jatin Allamsetty

jatinallamsetty06@gmail.com | techtales.trails@gmail.com | +91 8125311448
github.com/JatinAllamsetty27 | linkedin.com/in/Jatin Allamsetty

Education

Malla Reddy University Expected graduation date: Jun. 2024
B.Tech. in Artificial Intelligence and Machine Learning | Proof of Work ***GPA: 8.3/10.0***
Relevant Courses: Artificial Intelligence, Machine Learning, Deep Learning, Probability and Statistics, Data Structures (Python), Data Visualisation

Experience

Artenal Aug. 2023 - Present
Artificial Intelligence Intern *Python, Omniverse, C++, CUDA*

- Architected and deployed robust data pipelines, optimizing data flow and accessibility for machine learning applications, using NVIDIA Omniverse as the core simulation environment.
- Integrated CUDA-accelerated computing techniques to expedite data processing tasks, resulting in a significant reduction in pipeline latency and increased throughput.
- Persistently monitored and validated model performance, employing robust testing strategies to ensure high precision and recall in object detection tasks.

Vancouver Automation Jun. 2023 - Aug. 2023
Computer Vision Intern *Python, MySQL, Flask, HTML, Git, GitHub, Docker, Linux*

- Leveraged Computer Vision Annotation Tool (CVAT) to meticulously annotate image datasets, ensuring precise object localization for model training.
- Orchestrated the training of cutting-edge object detection models using the YOLOv5 architecture, fine-tuning hyperparameters to achieve optimal performance on validation data.

Google Developer Students Club Sept. 2023 - Present
Computer Vision and ML Head *Google Cloud Jams, GenAI*

- Engaged with a diverse cohort of learners, providing expert insights and support to foster a collaborative and interactive learning environment.

Projects

ReviewNet Oct. 2023 - Ongoing
Sentimental Analysis of Online Reviews for Web Explorations using ML algorithms *Python, JavaScript, Flask, Git*

- Engineered feature extraction processes to parse and interpret complex user-generated content, enhancing the accuracy of sentiment classification.
- Applied supervised learning methods to develop and train predictive models, successfully identifying and categorizing sentiments as positive, negative, or neutral.

MediDetect AI Aug. 2023
Lung and Brain Cancer Detection using Machine Learning Models *Python, JavaScript, HTML, Django, Git*

- Spearheaded the development of an advanced diagnostic solution by implementing YOLOv5-based computer vision and machine learning models for the detection of lung and brain cancer.

Writings and Publications

Lung Cancer Segmentation using Machine Learning Models Jun. 2023
Academic Project

- Advocated for the integration of AI in medical diagnostics through conference presentations and seminars, highlighting the potential of machine learning to revolutionize cancer prognosis and treatment strategies
- Orchestrating workshops, coding sessions, and events to enhance skills and encourage continuous learning.

Skills

Languages:
Python, Bash, C++, MySQL, HTML, JavaScript, R, Java

Technologies & Tools:
Flask, Git, Linux, Docker, CI/CD, NVIDIA Omniverse, Power BI, Computer Vision