
Mark Verma

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Education

IIITM Gwalior

Bachelors, Computer Science. SGPA 7.3

Relevant Coursework: Artificial Intelligence, Statistics, Cloud Computing

Madhya Pradesh, India

Graduation Date : 2024

Experience

Banach Technologies

ML Developer

Singapore (Remote)

April 2024 – Present

- Currently working on implementing trading strategies, and optimizing code to reduce processing times
- Writing and implementing ML models from scratch to work with stock market APIs to make accurate hedging strategies.
- Writing unit test cases for the different libraries already created for different trading strategies.

Alemenno

Software/ML Developer

Maharashtra (Remote)

July 2023 – Present

- Led robust data preprocessing for semantic segmentation models in rural landscapes using raster data
- Spearheaded implementation and optimization of cutting-edge computer vision algorithms (e.g., Douglas Peucker, Jarvis March) on scalable systems
- Proficiently manipulated GIS raster data, led strategic refactoring, and created unit tests for optimized Python applications
- Successfully deployed Django apps on AWS, expert in cloud infrastructure management and engineered end-to-end CI/CD pipelines for seamless integration and continuous delivery

Bewgle

Data Scientist

Bengaluru (Remote)

May 2022 – July 2022

- Leveraged Python libraries and NLP techniques to generate insightful visualizations and predictions on product topics using proprietary Bewgle software datasets. Extracted valuable insights on Amazon products across diverse verticals through comprehensive analysis of product reviews.
- Automated data pre-processing using efficient Bash and Python scripts, streamlining workflows and enhancing overall efficiency. Achieved a **90 percent reduction in dataset redundancy by optimizing information extraction** processes.

Projects

ResearchMate - Community Rooms

Django, Kubernetes

May 2023 – June 2023

- Created a Discord like interface where users can create rooms to interact with other
- Wrote test cases and implemented CI/CD pipelines
- Implemented signup, signin, messaging, room creation, post creation

Medical Waste Classification App

Tensorflow, Javascript

May 2023 – June 2023

- Trained a deep learning model to classify different medical waste into one of three categories with an accuracy of 98.4%.
- Created a web app incorporating the model using Tensorflowjs for users to upload images to be classified.

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- Published paper in IEEE Xplore - Medical Waste Classification using CNNs

Miscellaneous

Programming Languages: Python, C++, Bash, Javascript

Libraries: Pytorch, OpenCV, Pandas, Rasterio, Matplotlib, Tensorflow

Tools: Docker, AWS Sagemaker, Kubernetes, MLFlow, Streamlit, Git, Linux

Contributions/Certifications: DevOps on AWS Specialization, GCP Network Deployment, Opensource Contributor @PyMC