

VISHAL GAUR

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Email ♦ LinkedIn ♦ Github

OBJECTIVE

Experienced Computer Vision Engineer with expertise in Deep Learning, Object Detection, and Image Processing. Proficient in OpenCV, YOLO, Fine Tuning, Numpy, Pandas, CNN, Object Detection, Transfer Learning, and GCP/AWS. Known for writing high-quality Python code and effective cross-functional collaboration. Seeking a Senior Computer Vision Engineer role.

EXPERIENCE

Computer Vision Engineer

Apr 2024 - Present

Dot AI (Vendor via Refactor Academy)

Remote

- Developed and fine-tuned YOLOv10 models for real-time object detection across large-scale warehouses, improving operational efficiency. Built ML architecture from scratch. Identified and optimized cameras for enhanced efficiency.
- Optimized Machine Learning/Deep Learning pipelines using Pytorch, leveraging transfer learning and model tuning techniques for enhanced accuracy. On the dataset we performed data augmentation, data cleaning and data merging.
- Led the implementation of advanced image processing techniques using OpenCV, YOLO models, RCNN and Python libraries like Numpy Pandas, Matplotlib, contributing to a product and now the company will be listed on NASDAQ.

Software Engineer

Feb 2022 - Mar 2024

Persistent Systems

Gurugram, Haryana

Microsoft - PlayFab Engineer

Sept 2023 - Mar 2024

- In the PlayFab Team, I showcase my strong proficiency in Kusto Query Language(KQL) and PlayFab Data & Analytics.

Prompt Engineer

Apr 2023 - Sept 2023

- Integrated Meta's Llama 2 LLM into a mathematical task workflow using Python, LangChain, and HuggingFace, deploying on Streamlit, with a focus on enhancing efficiency and leveraging Deep Learning techniques.
- Developed a car price prediction model using Generative AI (LLMs) in Python, incorporating Streamlit for testing and visualization, applying principles of object detection and computer vision with OpenCV.

Data Engineer

Feb 2022 - Apr 2023

- Optimize & enhance data processes for better performance on GCP.
- Migrate ETL workflows to GCP Dataflow for scalable data processing.
- Transfer data warehousing to BigQuery for improved analytics and query performance.
- Ensure seamless integration with other GCP services, prioritizing data security and compliance.

SKILLS

Technical Skills

Python, GCP, SQL, AWS, Data Pipelines, Airflow, BigQuery, Deep Learning, AWS S3, AWS EC2, CNN, Fine Tuning, Transfer Learning, Pytorch, Scikit Learn, Data Storage, Object Detection, YOLO models, ETL, Generative AI, Machine Learning, LLMs, Image Processing, OpenCV, Numpy, Pandas, Matplotlib

Soft Skills

Communication, Teamwork, Problem-solving, Analytical thinking, Attention to detail, Leadership

EDUCATION

Bachelor of Computer Science, GLA University

2018 - 2022

- [Only Tractors](#) is a front-end web application made with the help of HTML, CSS, Javascript, Bootstrap technology.
- [e-Diary](#) a FullStack web application made with the help of MongoDB, Express.js, React.js, Node.js (MERN Stack).
- [Stock Price Prediction](#) fetches stock data & predicts future valuation of stock using LSTM Machine Learning model.

CERTIFICATIONS

- [Professional Cloud Architect](#)
- [Associate Cloud Engineer](#)
- [Getting Started with AWS ML](#)
- [Azure Fundamentals](#)
- [Generative AI Fundamentals](#)
- [What is Generative AI?](#)