Riya Gupta

AI Engineer

Experienced AI Specialist with a strong background in data integration and predictive analysis using Airbyte, ClickHouse, Kafka, Apache Superset, and Looker Studio. Working experience in computer vision, object detection CNN applications being deployed on Nvidia hardwares(jetson nano,DGX A100).Proven ability in providing AI/ML training to college students.

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WORK

AI Engineer
Lotus Interworks Inc

10/2023 - Present   *Los Angeles, USA*

Achievements/Tasks

- **Data Integration and Predictive Analysis**- Created a Predictive Revenue Analysis for **advertising platforms**, including **WordPress** websites, **Google Ads**, **Facebook marketing**, etc. Data extraction is done using Airbyte from various platforms, with storage in **ClickHouse** and **Kafka** for analysis. The project involved collaborative efforts to develop predictive analysis and real-time dashboards using **Power Bi** for client presentations. Also, utilized **Looker Studio** for creating dashboards.

Assistant AI Engineer
Global Infoventures pvt ltd

09/2022 - 09/2023   *Noida, India*

Achievements/Tasks

- **Motion Detection**- Developed a motion detection application using **OpenCV**, monitoring a specified area for significant changes and sending email alerts upon detecting motion. Deployed the final system on the **NVIDIA Jetson Nano** platform for **real-time processing**.

- **Personal Protective Equipment(Object Detection)**- Developed and deployed a **Classification model** to detect Personal Protective Equipment (PPE) compliance violations using a **custom dataset** with varied helmet and jacket colors. Utilized the **Roboflow tool** for annotating data and built the **YOLOv7 model**. The model underwent comprehensive testing on both the **Nvidia Hardwares**.

- **Student Attendance System**- Developed a Face Recognition Model prototype for a student attendance system, utilizing the **DGX A100** platform for initial development and testing. The model will later be expanded to serve multiple clients, collecting data images from diverse institutions. The project aims to create a robust and scalable solution for **automated student attendance tracking.**

EDUCATION

B.E(Computer Engineering)
Government College of Engineering & Technology, Jammu

08/2018 - 08/2022   *77%*

SKILLS

Machine Learning   Deep Learning   Data Science

AI   NLP   Docker   Apache Kafka   Sql

Computer vision   Python   Git

Data integration   GCP   DVC

INTERNSHIPS

Tata Consultancy services (TCS) (04/2021 - 07/2021)
- Intern as Data Scientist

Exposys Data Labs (07/2021 - 08/2021)
- Intern as Data Scientist

CERTIFICATES

Nvidia DLI Certificate (11/2022 - 12/2022)
-- *NVIDIA*

Master Statistics & Machine Learning: intuition , math, code. (05/2022 - 08/2022)
-- *UDEMY*

Data Analytics using Python (01/2021 - 04/2021)
-- *NPTEL - 86%*

Python Programming/Script/OOP/Advanced for Python 3 Projects (06/2020 - 10/2020)
-- *UDEMY*

The Joy of Computing using Python (09/2020 - 12/2020)
-- *NPTEL - 88%*