Pulkit Dhingra

As a Data Scientist, I have a diverse range of interests, including software development and machine learning. I possess expertise in multiple programming languages and tools. I have worked on various complex projects, utilizing advanced technologies and exploring unique approaches to problem-solving. A team player with a positive attitude, I'm always eager to learn and contribute towards maintaining a collaborative work environment.

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EDUCATION

Msc Data Science
University of Bristol

09/2024 - Present *Bristol, United Kingdom*

Bachelor of Technology Computer Science
Dr A.P.J Abdul kalam Technical University

08/2018 - 07/2022 *Lucknow, Uttar Pradesh , India*

Computer Science

- Grade - 7.9/10

WORK EXPERIENCE

Data Scientist
Ford Motor Company

01/2023 - 08/2024 *Chennai*

Achievements/Tasks

- **Collaborate** with the **supply chain analytics team** to design and implement efficient data driven pipelines, enabling real-time monitoring of the supply chain.
- Empower existing supply chain management products with **Large Language models** to enhance product performance.
- Streamline the delivery of data engineering pipelines with machine learning models by **leveraging cloud infrastructure**, **reducing delivery time**, and **improving scalability**.
- Create and customize **dashboards** to provide **valuable insights** for business teams that helps in **decision-making** in the supply chain, resulting in improved business outcomes.

DevOps Engineer
Nagarro

05/2022 - 12/2022 *Lucknow*

Achievements/Tasks

- Integrated pipelines with **Azure Cloud**, **AWS Cloud**, and **Google Cloud** services to automate application deployment and infrastructure management, increasing team efficiency and reducing deployment errors.
- Leveraged **Infrastructure as Code (IaC)** principles using **Terraform** scripts to automate the creation and configuration of cloud infrastructure, enabling easy replication and standardization of environments.

ACHIEVEMENTS / CONTRIBUTIONS

Geeks For Geeks Contributor

*Contributor on Geeks-For-Geeks for **15+ articles**. The contributions were related to **Python, R**, and **Machine Learning**.*

Kaggle Notebook Expert

*A recognized Notebook contributor at Kaggle, with more than **20+ Bronze notebooks** and a **Notebooks contributor** badge.*

SKILLS

Python Programming | Deep Learning | Machine Learning | Deep Learning | Data Engineering | Big Data | Data Analytics | Qlik Sense | Natural Language Processing | Large Language Models | Langchain | Cloud Computing | Google Cloud | BigQuerry | Vertex-AI | MlOps | Alteryx | SQL | Flask Python | OOPs

INTERNSHIP AND PROJECT

Data Science AI Trainer (01/2021 - 04/2021)

- Served as a mentor for students from government schools in the Responsible AI For Youth Program, an initiative by the Government of India to introduce Artificial Intelligence to students.
- Guided students in building Machine Learning and data science projects in the domains of Natural Language Processing and Computer Vision, fostering their skills and interest in AI.
- Provided instruction and mentoring on basic machine learning concepts, enabling students to gain practical experience and knowledge in this field.

Video Summarization

- A large video summarisation tool that helps to narrow down video content to small chunks of summary.
- This project uses RAG pipelines and Google Gemini Large Language model, to process videos and provide an elaborative summary
- It takes a URL as input of a Youtube video, and processes it to generate result.

RESEARCH PAPERS

Sketch To Face (11/2022)

The paper introduces a new method for criminological investigations that leverages Generative Adversarial Networks (GANs).The method aims to eliminate the need for a sketch artist in the investigation process, allowing eyewitnesses to create freehand sketches that can be used as input for the model.The GAN model is able to generate colored images based on the sketches provided by the eyewitnesses, providing an efficient and accurate alternative to traditional sketching methods.

Glass Identification Using Extreme Gradient Boosting Algorithm (08/2021)

The paper presents a method for analyzing the chemical composition of glass particles, with the primary use case being in forensic investigations.The method enables investigators to classify and analyze multiple glass fragments separately, based on their unique chemical makeup.By utilizing this method, investigators can obtain valuable information that can aid in identifying the source and origin of the glass fragments, providing crucial evidence in criminal investigations.

INTERESTS

Cosmology | Artificial Intelligence | Big Data