


Pulkit Dhingra

+44 (0) 7823 725369 | pulkit12dhingra@gmail.com | [LinkedIn](#) | [Portfolio](#) | [Blog](#) | [GitHub](#) | [YouTube](#)

 Bristol, United Kingdom

As a Programmer, 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.

EDUCATION

University of Bristol, Bristol, United Kingdom

Sep 2025

Msc Data Science

- Successfully implemented a campus-wide recycling program and organized a series of fundraising events raising over \$10,000 for local charities.
- Completed various academic projects including a comprehensive market analysis for a local startup, contributing to their subsequent 15% increase in quarterly sales.

Dr A.P.J Abdul Kalam Technical University, Lucknow, India

Jun 2022

Bachelor of Technology Computer Science

- Consistently attended all scheduled classes and actively participated in group discussions and projects, demonstrating a commitment to learning and academic success.
- Maintained a high GPA of 7.9/10, demonstrating a strong understanding of the material and a dedication to academic excellence.

WORK EXPERIENCE

Ford Motor Company, *Data Scientist*, Chennai

(1 year 8 months) Jan 2023 – Aug 2024

- Collaborated with the Supply Chain Analytics team to architect and execute highly efficient data-driven pipelines, enabling real-time monitoring and optimization of the supply chain operations.
- Conducted advanced analytics on supply chain data, uncovering trends that improved inventory management and supported pricing decisions.
- Designed and deployed machine learning models to forecast demand, resulting in a 10% reduction in overstock and stockout costs.
- Created and personalized interactive dashboards, providing essential insights for business teams, thereby aiding in strategic decision-making and leading to improved business outcomes in the supply chain.
- Implemented machine learning algorithms to forecast future demand, leading to a reduction in stockouts and overstock situations, and improving overall operational efficiency.
- Worked closely with cross-functional teams to translate business needs into technical requirements, ensuring the successful deployment of data science projects that aligns with company's strategic goals.

Nagarro, *DevOps Engineer*, Lucknow

(9 months) May 2022 – Jan 2023

- Successfully integrated pipelines with Azure Cloud, AWS Cloud, and Google Cloud services, thereby automating application deployment and infrastructure management which led to a significant increase in team efficiency and a marked reduction in deployment errors.
- Utilized Infrastructure as Code (IaC) principles to create Terraform scripts, enabling automated creation and configuration of cloud infrastructure. This initiative prompted easy replication and standardization of environments, enhancing operational efficiency.
- Transformed the system architecture by designing and implementing containerization solutions with Docker and Kubernetes, leading to a 35% improvement in scalability and resource utilization.
- Implemented continuous integration and continuous delivery (CI/CD) pipelines using Jenkins and Git, drastically reducing the code integration time and improving code quality by 40%.

Shashwat Foundation, Data Science and AI Trainer - Internship

(4 months) Jan 2021 – April 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.

SKILLS

Technical Skills: Data management, data modeling, data pipelines, database management, data architecture, data engineering, high-performance computing, cloud computing, applied machine learning.

Programming Skills: Python, R, SQL, Git.

Soft Skills: Problem-solving, analytical thinking, structured thinking, ability to deal with uncertainty, effective communication, presentation skills, teamwork, adaptability, curiosity for learning.

RESEARCH PAPERS AND ARTICLE CONTRIBUTIONS

Sketch to Face [\[Link\]](#)

Nov 2022

- The paper introduces a new method leveraging Generative Adversarial Networks (GANs) for enhanced visual representation tasks.
- The method eliminates the need for specialized artists or manual sketching processes.
- Users can create freehand sketches that serve as input for the model. The GAN model generates coloured images based on the provided sketches.

Glass Identification using XG-Boost [\[Link\]](#)

Aug 2021

- The paper presents a method for analysing the chemical composition of glass particles.
- The method enables the classification and separate analysis of multiple glass fragments based on their unique chemical composition.
- It provides valuable information to identify the source and origin of the glass fragments.

Technical Writer @GeeksForGeeks [\[Link\]](#)

- Contributor on Geeks-for-Geeks with 15+ articles.
- Contributions focused on topics related to Python, R, and Machine Learning.

PROJECTS

Agentic-AI customer chatbot [\[Link\]](#)

LangChain, LangGraph, LLMs

- An AI-powered chatbot application built over FAQ data scrapped from “Trainline” FAQ’s website. The application includes a Graph structure powered by LangGraph and “Gemma3” model from Google

Dynamic Price Trends in e-commerce space [\[Link\]](#)

Spark, SQL, Analytics

- This projects targets analysing data from e-commerce space (sources :- Kaggle, eBay). Projects includes cleaning, validating and performing analytics on large scale (big) data leveraging spark framework

Comprehensive Time Series analysis [\[Link\]](#)

Statistical Modelling & Forecasting, Model Evaluation

- The project showcase a variety of time series forecasting methods, including traditional approaches, deep learning models, and Prophet, implemented in Python