

# Pulkit Dhingra

As a computer science engineer, 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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📞 7905592650

📄 pulkit12dhingra.github.io/portfolio/

🐙 github.com/Pulkit12dhingra

## EDUCATION

### Bachelor of Technology Computer Science Babu Banarsi Das Northern India Institute of Technology

08/2018 - 07/2022

Lucknow, Uttar Pradesh, India

Computer Science

- Grade - 7.9/10

## WORK EXPERIENCE

### Data Scientist Ford Motor Company

01/2023 - Present

Chennai

Achievements/Tasks

- Collaborated with the supply chain analytics team to design and implement efficient data engineering pipelines, enabling real-time monitoring of the supply chain.
- Developed and deployed advanced machine learning and deep learning models to accurately predict demand for raw materials and associated costs, resulting in a cost savings of more than \$100,000
- Streamlined the delivery of data engineering pipelines and machine learning models by leveraging cloud pipelines, reducing delivery time by 50% and improving scalability.
- Created and customized dashboards to present key performance indicators and provide valuable insights for informed decision-making in the supply chain, resulting in improved business outcomes and increased profitability.

### DevOps Engineer Nagarro

05/2022 - 12/2022

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

### Microsoft Azure Cloud (11/2022 - Present) 📄

Az-900 Azure fundamentals for cloud.

### 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

Data Analytics

Natural Language Processing

OOPs

Cloud Computing

BigQuery

Google Cloud

Qlik Sense

Qlik View

Vertex-AI

HTML / CSS

Flask Python

SQL

Alteryx

## 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.

### 3 AM Friend 📄

- A chatbot application using natural language processing techniques, designed to provide support to individuals living alone or seeking companionship.
- Utilized libraries such as TensorFlow and the Natural Language Tool Kit (NLTK) to enhance the chatbot's functionality and improve its ability to process and understand human language.
- Employed the Flask framework to build the application and make it accessible to users through the web. The project is publicly available and hosted on Heroku for easy deployment.

## 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