

# Anupam Kumar

📍 Jaipur, Rajasthan    ✉ anupamkumar7802@gmail.com    ☎ +91 9304285473    🌐 theanupamkumar.me  
in [linkedin.com/in/theanupamkumar](https://www.linkedin.com/in/theanupamkumar)    🐙 [github.com/theanupamkumar1](https://github.com/theanupamkumar1)

## Summary

Machine Learning Engineer and Python Developer with experience in creating machine learning models and data analysis tools. Knowledgeable in Python, TensorFlow, NLP, and cloud-based implementations.

## Experience

**Machine Learning Engineer - Octopyder** 08/2024 – 10/2024

- Constructed an intrusion detection system using the NSL-KDD dataset, achieving 95% accuracy in detecting network attacks and reducing false positives by 20%.
- Simulated network attacks on virtual machines, collecting 10,000+ additional data points to enhance model training and performance.

**Data Science Intern - i-Neuron** 02/2024 – 04/2024

- Conducted EDA on the Zomato dataset, cleaning records and training ML models (Random Forest, Decision Tree) to predict restaurant ratings with 90% accuracy.
- Visualized data trends using Matplotlib and Seaborn, providing actionable insights that improved decision making.

**Machine Learning Engineer Intern - IBM Skillbuild** 06/2023 – 07/2023

- Built a Mental Fitness Tracker using Python and ML models, achieving an R-squared score of 0.85 and reducing prediction errors by 15%.
- Collaborated with mental health professionals to validate model predictions, improving accuracy by 10% through iterative feedback.

## Projects

**Banking Management System** [github link](#) 

- Built a Python-based bank management system with SQLite storage for efficient data management.
- Implemented features for users to create accounts, log in securely, reset PINs, and perform transactions.

**Borrow Voice Assistant V 1.0** [github link](#) 

- created a voice-based digital assistant to manage borrowing ledgers for customers.
- Added features to add, delete, and total amounts via voice commands in Hindi.
- Used MongoDB for data storage and gTTS for text-to-speech functionality.

**End-to-End ML Project** [github link](#) 

- Developed an end-to-end machine learning project from data collection to model deployment.
- Utilized Flask, Azure, MLflow, Docker, and GitHub Actions for deployment and monitoring.
- Implemented CI/CD pipelines for automated testing and deployment.

## Technical Skills

**Programming & Web Dev:** Python, JavaScript, Flask, Django, MERN Stack  
**Data Science:** NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow, Keras, PyTorch  
**ML/AI:** Supervised/Unsupervised Learning, NLP, LLMs, LangChain, Generative AI  
**Cloud & DevOps:** AWS, Google Cloud, Docker, GitHub Actions, CI/CD Pipelines  
**Databases:** SQLite, MySQL, MongoDB — **Tools:** Git, REST APIs, BeautifulSoup, Selenium  
**Frameworks & Libraries:** Hugging Face, Streamlit, Gradio, MLflow,

## Education

**B.Tech in Computer Science - Arya College of Engineering & IT, Jaipur** 2021 – 2025  
**10th & 12th Grade - Navjeevan Sr. Sec. School, Jaipur** 2018 – 2020