

Rahul Kumar

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Professional Summary

Data Scientist with 5+ years of experience in machine learning, deep learning, and AI-based solutions. Skilled at building predictive models, natural language processing applications, and computer vision systems. Strong in Python, Django, and React, with expertise in deploying ML models into production environments using REST APIs and cloud platforms.

Core Skills

- Programming & ML: Python, TensorFlow, PyTorch, Scikit-learn, XGBoost, LightGBM
- Data Handling: Pandas, NumPy, MySQL, SQL
- Visualization: Matplotlib, Seaborn, Plotly
- Deployment & Tools: Django, Flask, FastAPI, React, Git, Docker, Nginx, AWS, GCP
- Concepts: Machine Learning, Deep Learning, NLP, Generative AI, Data Structures & Algorithms

Work Experience

Data Scientist | Aryan Tech World 2024 – Present

- Built machine learning models for real-world business use cases.
- Integrated ML solutions into production environments using Django REST APIs.
- Worked on GenAI-based applications for business automation.

Full Stack Developer (AI Projects) | AKS Global Tech 2023 – 2024

- Created Customer Churn Prediction System using ML + Django REST Framework.
- Developed AI-driven solutions and deployed on cloud servers with Docker & Nginx.
- Guided students on ML, Blockchain, and Generative AI projects.

Freelance Developer (AI/ML Projects) 2021 – 2023

- Delivered 6+ projects in ML and full stack (ERP, e-commerce, AI apps).
- Worked on recommendation systems, demand forecasting, and text classification.
- Designed scalable Django-based systems for small businesses.

Education

Bachelor of Computer Applications (BCA)

Graduated 2021

Projects

Customer Churn Prediction Web App – Aryan Tech World

Aryan Tech World : *Django, Django REST Framework, scikit-learn, Bootstrap, Docker, SQLite3*

- Built a full-stack machine learning application to predict customer churn.
- Developed data preprocessing, model training, and serialization (RandomForest / Logistic Regression).
- Exposed predictions via a REST API and a web form interface using Django.
- Implemented database persistence for storing predictions and results.
- Containerized the project with Docker for easy deployment.
- Integrated Bootstrap frontend for user-friendly dashboard and form submission.
- Added logging for monitoring API requests, model predictions, and errors. [GitHub Repo](#)

Ecommerce Delivery App – Demand Prediction System

Aryan Tech World : *Python, scikit-learn, pandas, Django / REST API*

- Developed a predictive analytics system to forecast product demand for an ecommerce delivery app.

- Built and trained ML models on historical order data to predict demand trends.
- Integrated the prediction system with the backend to optimize inventory and delivery schedules.

[Demo](#)

ERP with AI Features – Predictive Sales Modules

AKS Globaltech : Django, React, scikit-learn

- Added AI-powered predictive sales modules to an ERP system.
- Built ML models to forecast sales and improve business decision-making.
- Integrated predictions seamlessly with Django backend and React frontend.

[Demo](#)

Certifications

- Machine Learning – Kaggle
- Deep Learning Specialization – Andrew Ng
- Generative AI for Developers – Google Cloud

Achievements

- Mentored 50+ students in Python, ML, and Full Stack AI development.
- Successfully deployed multiple AI-driven applications into production.