

Pragat Pagariya

Data Analyst

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Professional Summary

Analytical and results-driven Data Analyst with 3+ years of experience delivering data-driven insights, automation, and business intelligence solutions to support strategic decision-making. Proficient in Python, SQL, and Power BI, with expertise in data preprocessing, statistical modeling, and KPI reporting. Experienced with cloud deployment (GCP, Azure) and familiar with GDPR-aligned data governance standards.

Technology Skills

Languages: Python, SQL, C++, C

Software Development: Data Structures and Algorithms, Agile Methodologies, CI/CD, Software Testing and Debugging, Object-Oriented Programming (OOP), Linux System Administration

Cloud and DevOps: Google Cloud, Docker, Apache Spark, Version Control (Git)

Data Analysis: PySpark, Data Science (Numpy, Pandas, Feature Selection and Classifiers), Data Visualization (PyPlot and Seaborn), Time Series Analysis, MySQL, MS PowerBI, Tableau

Professional Experience

Artificial Intelligence Resident

Apziva

Remotely, Turkiye

Nov 2024 – Nov 2025

- Prototyped and deployed a multi-agent LLM system that coordinated task delegation across agents, reducing average task completion time by 50%.
- Designed and implemented Retrieval-Augmented Generation (RAG) pipelines leveraging FAISS, LangChain, and OpenAI APIs, decreasing hallucination rates by 35% in LLM responses.

Technical Consultant

WebShark Web Services Pvt. Ltd.

Remotely, India

Oct 2023 – Jun 2024

- Built CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment time by 60% and increasing release frequency from monthly to weekly.
- Gained adjacent experience relevant to AWS Connect through cloud-based model deployment and container orchestration, which involved deploying machine learning models on GCP using Docker and Kubernetes.

Data Analyst

Tata Consultancy Services Ltd.

Mumbai, India

May 2022 – Jul 2023

- Conducted data analysis and produced weekly/monthly reports, reducing manual reporting efforts by 40% and enabling faster decision-making across cross-functional teams.
- Integrated software testing and debugging techniques alongside ML model optimization, contributing to a 30% reduction in bugs.

Projects

Time Series Analysis

[Time-Series](#) 

- Engineered advanced ARIMA, Prophet, and LSTM models for time-series stock forecasting, achieving 92% accuracy and reducing MAPE by 15% through rigorous model optimization and trend decomposition.
- Spearheaded predictive modeling and analytical reporting that boosted portfolio return projections by 18%, improving financial forecasting accuracy, data-driven investment strategies, and business intelligence.

Hardware and Vision

[Hardware-Vision](#) 

- Developed and optimized a deep learning-based image classification model, improving accuracy by 9% through advanced data augmentation, hyperparameter tuning, and feature engineering.
- Optimized hyperparameters via GridSearchCV with KerasClassifier (SciKeras), tuning parameters such as learning rate, batch size, and optimizer selection, activation functions, and network architecture.

Potential Talents

Potential-Talents [↗](#)

- Orchestrated an NLP-based deep learning model with TensorFlow, improving fit score by 12% and model scalability by 25% using TF-IDF, Word2Vec, and BoW for feature extraction and optimization.
- Developed a real-time re-ranking mechanism, adjusting rankings dynamically with a 75% accuracy boost in final candidate selections and reducing recruiter evaluation time by 4x.

Lidar infused computer vision model to improve object detection

YOLO model [↗](#)

- Developed a fusion model integrating YOLOv8 and YOLOv10 architectures, leveraging deep learning and LiDAR for high-accuracy object detection in autonomous vehicles.
- Attained significant advancements in accuracy of 98% from 3d bounding boxes and evaluated with precision, recall, F1 score, IoU (Intersection over Union) and mAP (Mean Average Precision).

Education

National College of Ireland Sept 2023 – Oct 2024

MSc. in Artificial Intelligence (GPA: 2:1 honours)

- **Coursework:** Artificial Intelligence Driven Decision-Making Modules, Data Analytics in AI, Engineering and Evaluating AI Systems, Data Governance and Ethics, Intelligent Agents and Process Automation

Vellore Institute of Technology Jul 2019 – May 2022

Bsc. in Computer Science (GPA: 8.18/10)

- **Coursework:** Data Structures and Algorithms, Data Mining, DBMS, Open-Source Programming, Software Quality and Testing, System Software, Digital Logic and Design, Computer Architecture

Achievements

Vice President of Innovators Quest Club VIT. (2021 - 2022)

- Facilitated workshops, trainings, and hackathons, demonstrating leadership and strategic mindset.
- Delivered tech talks to 30+ professionals, showcasing confidence and effective technical articulation.
- Demonstrated adaptability, critical thinking, teamwork, and stakeholder management in operations.

Certifications

Machine Learning (Coursera), Google Cloud Fundamentals (Coursera), C++ Application (Coursera), Leading Strategy Innovation (FutureLearn), Data Analytics for Decision Making (FutureLearn)

Hobbies & Interests

- **National-level Basketball Player** – Represented at national tournaments, exhibiting strong leadership, teamwork, and strategic coordination under high-pressure environments.
- **State-level Chess Player** – Enhanced analytical reasoning, foresight, and decision-making precision, contributing to a data-driven and solution-oriented mindset.
- **Photography and Adventure Travel** – Pursue creative expression and mental resilience through photography and endurance activities, fostering a balance between innovation and discipline.