

HARSHAD HATTE

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SUMMARY

Data Analyst | M.S. Data Science (NJIT) | Skilled in Python, SQL, Machine Learning, and Cloud (AWS/GCP). Passionate about leveraging data-driven insights to drive business impact, optimize processes, and enhance decision-making. Experienced in working with large datasets, predictive modeling, and business intelligence.

EDUCATION

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| New Jersey Institute of Technology <i>Master's in data science (GPA: 3.4/4.0)</i> | Newark, New Jersey, USA Sep 2023 – May 2025 |
| Savitribai Phule Pune University <i>Bachelor of Engineering in Computer Engineering (CGPA: 8.7/10)</i> | Pune, Maharashtra, India Aug 2019 – May 2023 |

SKILLS

- Programming Languages: Python (Pandas, NumPy, Plotly), R
- Libraries & Frameworks: Scikit-learn, TensorFlow, PyTorch, Keras, NLTK, Hugging Face Transformers
- Hard Skills: Data Analysis, Data Mining, Machine Learning, Natural Language Processing (NLP), Business Intelligence
- Databases: Oracle SQL, MySQL, MongoDB, Neo4j
- Tools: Tableau, Power BI
- Cloud Platforms: Google Cloud Platform (GCP), Amazon Web Services (AWS)
- Soft Skills: Quantitative Analysis, Data Interpretation, Attention to Detail, Problem-Solving, Effective Communication

EXPERIENCE

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| Verizon (Capstone Project) <i>Data Analyst</i> | New jersey, USA Feb 2025 – May 2025 |
| <ul style="list-style-type: none">• Analyzed 2B+ telemetry records at Verizon using Python and PySparks to extract insights and support data-driven decisions.• Built an automated ETL pipeline for data download, validation, transformation, and compression to streamline processing.• Performed EDA to identify patterns, relationships, and anomalies in large-scale data.• Training an autoencoder model to detect outliers and system anomalies. | |
| The Sparks Foundation Graduate Rotational Internship Program (GRIP) <i>Mobile Development Intern</i> | Pune, India Oct 2021 –Nov 2021 |
| <ul style="list-style-type: none">• Developed and deployed a Basic Banking App using Flutter and SQflite for database integration.• Delivered the project on time with adherence to GRIP requirements and standards. | |

PROJECTS

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| NBA Team Composition Analysis and Optimization | Jan 2025 – Mar 2025 |
| <ul style="list-style-type: none">• Conducted exploratory data analysis (EDA) using PowerBI and Plotly to identify trends in player performance metrics.• Scraped and cleaned NBA player data with Python (BeautifulSoup, Selenium, Pandas, NumPy) for high-quality analysis.• Visualized trends in salary cap usage, player efficiency, and undervalued trade targets to recommend team strategies. | |
| Image Generation with Conditional GAN on CIFAR-10 | Jan 2024 – Mar 2024 |
| <ul style="list-style-type: none">• Developed and optimized a Conditional GAN to generate high-fidelity images using the CIFAR-10 dataset.• Optimized hyperparameters and architecture to enhance image quality and alignment.• Evaluated model performance using metrics like inception score and visual inspection, validating the CGAN's effectiveness in synthetic data generation. | |
| Big Data Classification Analysis: CIFAR-10 Dataset | Oct 2023 – Dec 2023 |
| <ul style="list-style-type: none">• Conducted a comparative analysis of image classification models, leveraging machine learning techniques like CNNs, linear regression, and single-layer networks• Utilized cross-validation and metrics such as accuracy and F1-score to evaluate and optimize model performance.• Identified the most effective classification approach by analyzing and benchmarking results across models. | |

CERTIFICATION

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| Google Cloud Essentials (Link) | Sep 2020 – Nov 2020 |
| <ul style="list-style-type: none">• Built scalable machine learning and data engineering solutions using Google Cloud Platform (GCP).• Utilized BigQuery for predictive modelling, applied Explainable AI techniques, and optimized cloud resource usage. | |