

NIKHIL GOKHALE

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SUMMARY

Data Scientist with 3+ years of experience in data analysis, machine learning, and dashboard development across academic and industry roles. Skilled in Python, SQL, Spark, Tableau, and Power BI, with a proven track record of improving reporting efficiency by 35%, boosting forecasting accuracy by 15%, and saving 10+ hours/week through workflow automation. Adept at translating business problems into technical solutions and delivering insights that drive decision-making.

EDUCATION

- University at Buffalo, SUNY** | Buffalo, NY
Master of Science in Data Science | January 2024 - May 2025
Relevant Coursework: Python Programming, Databases, Statistics, Data Structures & Algorithms, Machine Learning, Data Intensive Computing
- Mumbai University** | Mumbai, India
Bachelor of Technology in Electronics & Telecommunications | August 2019 - June 2023

TECHNICAL SKILLS

- Programming Languages:** C, Python, SQL, R
- Data Science & ML Tools:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Spark, Hadoop
- Visualization & Analytics:** Tableau, Power BI, Matplotlib, Seaborn
- Big Data & Cloud:** Spark, Hadoop, Docker

PROFESSIONAL EXPERIENCE

Graduate Data Analyst

University at Buffalo – Buffalo, NY | May 2024 – May 2025

- Cleaned and transformed 120K+ student and resource records, improving data accuracy by 20%.
- Built 4 Tableau/Power BI dashboards, reducing manual reporting time by 25% and saving 10+ hours/week.
- Partnered with faculty to provide data-driven insights, contributing to 2 program planning improvements.

Junior Data Scientist

Maxgen Technologies Pvt Ltd., Mumbai, India | July 2023 – January 2024

- Designed 10+ dashboards that improved reporting efficiency by 35% across departments.
- Automated ETL pipelines with Python/SQL, cutting reporting time by 40%.
- Collaborated with cross-functional teams to integrate analytics into workflows, increasing adoption by 30%.

Data Analyst

Essfour Engineering Pvt. Ltd., Surat, India | Jul 2022 – May 2023

- Analyzed 5K+ sales/finance records, improving forecasting accuracy by 15%.
- Developed KPI dashboards to support leadership, streamlining reporting and improving efficiency by 20%.
- Provided ad-hoc analysis and reports that reduced stakeholder turnaround time by 25%.

PROJECTS

Music & Entertainment Recommendation System | Python, TensorFlow

- Built recommendation model on 100K+ records, simulating 25% higher engagement.
- Deployed via Flask API, reducing response latency by 40%.

Health & Lifestyle Age Prediction | PySpark, XGBoost

- Processed 50K+ health records, improving prediction accuracy by 18%.
- Scaled training with Spark MLlib, reducing runtime by 40%.

Video Game Sales Insights | Python, Tableau, SQL

- Analyzed 20K+ sales records, uncovering 3 growth drivers for regional markets.
- Designed dashboards that simulated 15% ROI improvement in marketing.

Toxic Comment Detection (LLM/NLP) | Python, Hugging Face

- Fine-tuned BERT model on 160K+ comments, boosting accuracy by 12%.
- Built Streamlit app with model toggle and confidence visualization for usability.

CERTIFICATIONS & LEADERSHIP

- Published research paper on “Self-driving cars to drive autonomously using Deep Learning” in IJARESM (May 2023).
- Management Head of Journal Committee (May 2022 – May 2023).
- Google Analytics Certified (2021).
- Supervised Machine Learning – Stanford/DeepLearning.AI (In Progress):** Building expertise in core ML algorithms, optimization, and supervised learning techniques.
- Meta Kaggle Hackathon (2025):** Collaborated on large-scale pattern mining from code metadata, balancing research and usability tradeoffs.