

Isha Ghatule

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SUMMARY

Detail-oriented Analyst with extensive experience in collecting data, analyzing data, and interpreting data to drive business decisions. Demonstrates strong analytical skills and expertise in market research, preparing reports, and presenting findings to stakeholders. Proficient in leveraging data analysis tools to identify trends and deliver actionable insights. Holds a degree in Business Analytics and possesses hands-on experience in analysis and research across diverse business environments.

EXPERIENCE

Operations Assistant | Sanghani Center for AI & Data Analytics, Virginia Tech, VA | 01/2025 to 05/2025

- Improved reporting accuracy by 30% using Power BI and optimized visitor workflows with Python, increasing efficiency by 30%.
- Developed SOPs and institutional knowledge assets to support operational scalability and team coordination.
- Analyzed operational data to identify trends, delivered insights to stakeholders, and supported continuous improvement efforts.

Junior Data Scientist (Remote) | Zummit Infolabs | 03/2022 to 07/2022

- Built interactive dashboards using Power BI, Excel, and Python to analyze market data and present insights to C-suite stakeholders.
- Applied Random Forest algorithm and conducted market research to extract trends and support business decision-making.
- Delivered reports and recommendations that enhanced communication, strategic planning, and cross-functional collaboration.

Junior Data Analyst | RedX labs | 05/2022 to 07/2022

- Developed NLP models using Wav2Vec for audio-to-text conversion, analyzing business meeting data to identify trends.
- Conducted data collection, interpretation, and reporting to support decision-making and improve project outcomes.
- Presented findings to stakeholders, showcasing strong analytical and research capabilities through project deliverables.

SKILLS

Data Analysis & Modeling- Forecasting, Regression, Random Forest, MANOVA, Time Series, Logistic Regression, Clustering, Hypothesis Testing

BI Tools & Reporting- Power BI, Tableau, Excel, Excel VBA, SAS Visual Analytics, Google Analytics

Programming & Data Processing- Python, SQL, SAS, JMP, R (basic), Wav2Vec, YOLOv5, Git

Data Infrastructure- AWS (EC2, S3, RDS, Lambda), PostgreSQL, MySQL, SQL Server, API Integration

Process & Operations - SOP Development, Process Mapping, Workflow Automation, Resource Forecasting, Stakeholder Reporting

Analytical skills - SDLC, KPI Monitoring, Process Optimization, Data-Driven Decision Making

PROJECTS

Loan Default Prediction Model (Streamlit Deployment) | May 2025

- Developed and deployed predictive model using XGBoost and SHAP on Streamlit to evaluate loan risks.
- Integrated model with GitHub and Colab pipelines for scalable deployment in financial institutions.
- Conducted data cleaning, model tuning, and feature engineering for real-time use case demonstration.

Analysis and prediction of cyber-attacks in USA | November 2023

- Using JMP, Identified key parameters and patterns correlated with corporate cyber-attacks, revealing a company's social standing and financial variables emerged to be most significant predictive factors

Examination Portal Design | January 2022

- Designed an academic examination portal with structural, functional, and behavioral UML diagrams.
- Included use cases, class diagrams, and data flow logic for portal simulation.
- Supported system analysis documentation for educational software.

EDUCATION

MS -Global Business Analytics | Virginia Tech (NVC, VA) | 2024 to 2025

Master of Science in Business Analytics with a focus on global business strategies and data-driven decision-making. Emphasized collecting data, analyzing data, and interpreting data for business decisions.

B. Tech, Computer Science (Data Science) | NMIMS University (Mumbai, India) | 2020 to 2024

Bachelor of Technology in Computer Science with a specialization in Data Science, focusing on machine learning, data analysis tools, and experience in research.

B.S., Information Technology | Virginia Tech (Blacksburg, VA) | 2023 to 2024

Bachelor of Science in Business Information Technology, emphasizing data analysis, market research, and business process optimization. Developed analytical skills and experience in analysis.