Shrishti Dewangan

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EDUCATION

University of Maryland Baltimore County	**Dec 2025**
M.S. Information Systems	**GPA: 3.7/4.0**
Bhilai Institute of Technology Durg	**July 2023**
B.Tech, Information Technology	**GPA: 8.4/10.0**

SKILLS

Core Skills: Data Science, Machine Learning Models, Data Analysis, Data Preprocessing, Handling Missing Data, Data Transformation, Data Normalization, Outlier Detection, Data Visualization, Dashboards, Data Mining, Data Storage, Data Management, Data Modeling, Business Intelligence Knowledge, Proactive Communication, Adaptability, Cross-Functional Collab, Analytical and Problem Solving, Detail Oriented, Team Player

Visualization Tools: Tableau, Power BI, Advanced MS Excel with Dashboards (VLOOKUP, Pivot Tables)

Programming Languages: Python-PySpark, PyTorch, NumPy, Matplotlib, Seaborn, Scikit-learn, Pandas, R, TensorFlow, Keras

Statistical Analysis: Inferential Statistics, Hypothesis Testing, Regression Analysis

Databases: SQL (Advanced), PostgreSQL, MySQL, PL/SQL, Oracle

Cloud Technologies: AWS - Instances, S2, Redshift, DynamoDB, IAM, Glue, MS Azure

Project & Communication: Project Management, Cross-functional Collaboration, Report Generation, Presentation Skills

PROJECTS

Resume screening using NLP(Python, scikit-learn, NLTK, Pandas)   **Aug 2024**
- o Developed a machine learning solution to automate resume categorization for efficient shortlisting.
- o Applied NLP techniques for text preprocessing and vectorization to extract meaningful features.
- o Trained a One-vs-Rest K-Nearest Neighbors model, reaching 97% classification accuracy.

Sales Analysis(Microsoft Excel, PivotTables, Data Visualization)   **Aug 2024**
- o Built interactive Excel dashboards to track item-wise spending across departments.
- o Uncovered a 25% regional cost variance and proposed actionable savings strategies.
- o Insights aligned with clinical priorities and pricing standards to support decision-making.

Plant Disease Detection using CNN(python, TensorFlow/Keras, OpenCV, NumPy)   **July 2024**
- o Trained a Convolutional Neural Network to detect plant diseases from 87,000+ leaf images.
- o Applied image augmentation techniques to improve model robustness and generalization.
- o Achieved 92.35% classification accuracy across multiple crop disease categories.

Bank Loan Report(Power BI, Microsoft Excel, DAX, Statistical Process Control)   **July 2024**
- o Designed interactive dashboards to monitor 10+ key financial KPIs across loan performance metrics.
- o Utilized Power BI and Excel for trend analysis, integrating SPC and Pareto charts for root cause evaluation.
- o Supported continuous process improvement by identifying high-impact issues and performance gaps.

Food Industry Database System(MySQL, PL/SQL, ER Diagrams, SQL, Data Validation)   **Mar 2024**
- o Designed a normalized relational database using MySQL and PL/SQL to manage product, customer, and order data.
- o Developed stored procedures, triggers, and validation rules to maintain data integrity and enforce business logic.
- o Integrated change logs to track updates and ensure consistency across transactional records.

TRAINING AND CERTIFICATIONS

Forward Learning Program | McKinsey & Company   **May 2025**
Gained hands-on experience in agile project management, structured problem-solving, and data-backed cost analysis for performance improvement.

AWS Certified Cloud Practitioner | Amazon Web Services   **Mar 2025-2026**
Validated knowledge of cloud computing concepts, AWS core services, security, architecture, pricing models, and deployment strategies within cloud environments.

Data science | Geeks for Geeks   **January- June 2024**
Built projects using SQL, machine learning, Streamlit, and Excel dashboards.

VOLUNTEER

Facility Operations & Data Assistant (Part time) | UMBC Recreation Center   **May 2024 – Present**
Maintained structured membership records and tracked inventory using Excel, improving data accuracy by 15% and optimizing daily reporting. Enhanced customer service by resolving issues promptly, increasing satisfaction by 20%.