

Ashwitha Baradi

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Education

Narendra Degree and Pg College

Master of Science in Mathematics, CGPA: 7.55, 2021 - 2023

Narendra Women's Degree College

Bachelor of Science in Computer Science, CGPA: 8.86, 2018 - 2021

Skills

- Proficient in **Python** Programming language for data manipulation, automation, and backend logic
- Skilled in NumPy, Pandas, Matplotlib, and Seaborn for data processing and visualization
- Strong in **SQL** with expertise in joins, CTEs, window functions, and query optimization
- Knowledge of MySQL and SQL Server for database querying, schema design, and data handling
- Hands-on with **Scikit-learn** and **TensorFlow** for **machine learning** and **deep learning** models
- Experienced with **Tableau** for data visualization, dashboard creation, and storytelling
- Familiar with **AWS** cloud computing services including compute, storage, monitoring, and serverless solutions
- Competent in **MS Excel** for data cleaning, reporting, advanced formulas, and pivot analysis
- Effective in communication, problem-solving, time management, adaptability, quick learning, and teamwork

Projects

Weather Prediction using Python

- Developed and deployed a classification model using Python to predict next-day rainfall based on 10 years of historical data.
- Processed over 10,000 weather records using Pandas, strengthening data quality and increasing prediction efficiency by 15%.
- Conducted exploratory data analysis and visualizations, enhancing feature selection effectiveness by 25%.
- Achieved 85% accuracy with the XGBoost classifier and 83% accuracy with Logistic Regression.

US Crime Data Analysis using SQL

- Cleaned, filtered, validated 2024 crime data in MySQL to ensure data accuracy, enabling reliable identification of top 10 crimes.
- Performed data analysis to identify crime hotspots, supporting targeted enforcement and reducing response time by 15%.
- Extracted insights on arrest rates and domestic crimes to support informed decision-making, improving accuracy by 20%.
- Optimized SQL queries and indexing to speed up data retrieval, reducing query time by 30% and maximizing efficiency.

Sales Comparison by Regions

- Designed and optimized a Tableau dashboard with interactive visualizations to compare sales metrics across 2 regions.
- Integrated filters for dynamic exploration, elevating user engagement by 35% and ensuring insight discovery.
- Automated data refresh to keep insights current, cutting manual updates by 50% and boosting report accuracy.
- Generated actionable insights, revealing that sales in the East region exceeded those in the Central region by 10%.

Internships

- **Data Analyst Intern**, Deloitte: Data Analysis, Data Modeling, Data Visualization
- **Data Science Intern**, British Airways: Python, Machine Learning

Certifications

- Certified in the Master's Program in Data science and Business analytics from Simplilearn, an 11 month program - 2024.
- Earned Python Programming certification from Udemy with over 50 hours of content.
- Accomplished SQL and Relational Databases certification from Cognitive Class provided by IBM, covering 6 modules.
- Obtained a 90 day Machine Learning certification from SkillUp, gaining in deep expertise.
- Acquired a Microsoft Excel certification from Mind Luster, completing a 4 week program.
- Executed Accenture Nordics Developer Job Simulation, finishing 4 tasks to build practical developer skills.
- Contributed to a Deloitte Australia Virtual Data Analytics Job Simulation on Forage in March 2025, utilizing Tableau.
- Completed a Data Science Job Simulation with British Airways, applying predictive modeling on 10,000 customer bookings.

Academic Achievements

- Secured 1st place in SSC Examinations, awarded Gold Medal by IAS Officer for academic excellence.

Extra Curricular Activities

- Organized college fests with over 200 participants, showcasing leadership and event coordination skills.
- Participated in over 3 dancing events, highlighting teamwork and creativity.