Tanya Malviya

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SUMMARY

Skilled in backend development, cloud computing, and data analytics with hands-on experience in Python, SQL, and AWS. Built scalable tools for GitHub data analysis, created automation scripts, and deployed mock machine learning models using cloud infrastructure. Adept at solving real-world problems through clean code, data pipelines, and API integrations. Seeking opportunities in software engineering, cloud systems, or data-focused development roles.

EDUCATION

Baylor University Waco, TX
Master's in management information systems , GPA:3.88 July 2024 – Aug 2025

Symbiosis University Indore, India
Bachelor of Science in Computer Science , GPA:3.42 Aug 2019 – June 2023

SKILLS

Technical Skills: Python, SQL, Java, C++, JavaScript, HTML/CSS, MySQL, MongoDB, REST APIs, Git, GitHub, Jupyter Notebooks, Excel (Advanced), WordPress

Cloud & Platforms: AWS (AI/Cloud), Power BI, Tableau

Frameworks & Concepts: Object-Oriented Programming, Agile Methodology, Project Documentation

Data Visualization/Reporting: Dashboard Creation, Statistical Analysis, MS Visio, Business Process Mapping, Compliance Reporting

Data Handling: Data Processing, Data Cleaning, Data Modeling, Supervised Learning Models, Workflow Optimization, Machine Learning

Certifications: AWS Certified AI Practitioner, AWS Cloud Technical Essentials , Business Process Management , Microsoft Excel for Business Analysts , Google Foundations of Data Science , Fundamentals of Management , Introduction to Python.

WORK EXPERIENCE

Baylor University Waco, USA
IT Operations & Media Lab Coordinator Sept 2024 –Present
- Built a dynamic scheduling tool using Microsoft Excel to manage AV and studio lab bookings
- Provided technical support to 200+ users for Adobe tools, OBS Studio, and Mac/PC systems
- Trained student workers and optimized AV workflows through streamlined scheduling and inventory tracking.
- **Tools:** Excel , OBS , Adobe , SharePoint , Mac/PC , Scheduling systems.

Data Research Assistant May 2025 – Present
- Developed Python scripts to extract and analyze GitHub commit data from Ethereum & Bitcoin
- Built automation pipelines using Jupyter Notebooks for blockchain decentralization analysis
- Created visual dashboards and summaries for academic research on contributor behavior
- **Tools:** Python, GitHub API, Jupyter, pandas, NumPy, Matplotlib, Excel

SeaWind Solutions Ahmedabad, India
Product &Data Analyst (Web Platform) June 2023 – July 2024
- Designed dashboards and tracked KPIs using Power BI and Excel for real-time insights
- Reduced rework by 20% and improved delivery timelines through SQL-based process optimization
- Worked cross-functionally with product and operations teams for data-backed improvements
- **Tools:** Power BI , SQL Server , Excel , Tableau , Microsoft Access.

Tata Consultancy Services Indore, India
Enterprise Solutions Intern – Business &Systems Analysis Jan 2021 – July 2021
- Automated internal reporting using Python scripts and Excel macros
- Mapped business workflows and created visual diagrams using MS Visio
- Supported Agile sprints, UAT testing, and documentation using Confluence and Jira
- **Tools:** Python , SQL , Excel macros , MS Visio , Jira , Confluence

PROJECTS

GitHub Blockchain Analysis - Modeled decentralization trends (2021–2024) using GitHub API, Python, and data visualization; structured contributor data from Ethereum and Bitcoin for research insight

AWS ML Deployment - Deployed a sentiment classifier using AWS EC2, S3, and CloudWatch; tested model workflow and cloud-based automation.

AP Pizzeria Simulation – Simulated restaurant order flow and inventory using Python classes and OOP design for logic - based system modeling.