Nishika Gandi

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EDUCATION

The University of Texas at Dallas — Dallas, TX
Master of Science in Information Technology and Management — **December 2024**

Jawaharlal Nehru Technological University - Hyderabad — Hyderabad, India
Bachelor of Technology in Computer Science and Engineering — **August 2022**

TECHNICAL SKILLS

Programming Languages: Python, C, HTML, CSS, C++, R, MySQL. | **Tools**: MS Excel, MS Office, Anaconda, Jupyter Notebook. | **Cloud**: AWS, Azure. | **Visualization**: Tableau, PowerBI. | **Library**: Pandas, NumPy, Scikit-Learn, Matplotlib, Streamlit, Flask, dplyr, Plotly, PySpark. | **Domain Knowledge**: Data Modeling & Warehousing, Machine Learning Algorithms, Big Data, Project Management. | **Certifications**: AWS Cloud Practitioner, Machine Learning in Python.

PROFESSIONAL EXPERIENCE

UnicGate — Remote
AI Solution Architect Internship — **August 2024 – December 2024**

- Created and launched a generative AI chatbot for STEM-related inquiries and appointment scheduling, resulting in a 40% increase in user engagement.
- Enhanced appointment scheduling by automating user data retrieval and storage in a database, streamlining the process for faster access and management.
- Implemented advanced data processing methods, including API integration and bot fine-tuning, to optimize functionality and performance.

CISCO — Remote
AICTE Virtual Cybersecurity Internship — **May 2021 – July 2021**

- Designed and implemented a secure network topology using Cisco Packet Tracer, applying Secure Shell, firewalls, and root cause analysis to resolve security issues.
- Contributed to Scrum meetings, ensuring task prioritization and compliance with security standards while achieving 98% network uptime and zero unauthorized access.
- Collaborated on intrusion detection, encryption implementation, and documentation, leading to a 95% reduction in security incidents and enhanced data protection.

ACADEMIC PROJECTS

Airline Management System | *System Analysis and Project Management*

- Developed a user-friendly airline management system for flight search, reservations, and booking management.
- Implemented a secure database solution ensuring compliance with privacy regulations (GDPR/HIPAA) and industry standards.
- Enhanced passenger communication with real-time updates on flight status, delays, and cancellations.

Student Requirement Management System | *Database Foundation for Business Analytics*

- Tracked 100% of student requirements from admission to graduation, reducing manual processing time by 60%.
- Improved communication efficiency by 40%, minimizing gaps between students and administrators.
- Ensured 99.9% data accuracy and security, safeguarding sensitive information and institutional data.

Instacart Market Basket Analysis

- Analyzed a relational dataset of over 3 million grocery orders from 200,000+ anonymized users, achieving a 95% accuracy rate in predicting future purchase patterns.
- Processed detailed purchase histories with 4 to 100 sequential orders per user, identifying trends that increased prediction efficiency by 40%.
- Incorporated timestamp data, including order week, hour, and intervals, leading to a 30% improvement in modeling time-based purchase behaviors.