

NISHITHA MADADI

Phn: +1623291808 Email : nishithareddyit@gmail.com LinkedIn : Nishitha Madadi

Education

Arizona State University, Arizona

Jan 2023 – Dec 2024

MS, Information Technology

GPA: 4.00/4

- Course Work: Data Visualization, Adv DBMS, Adv Info Systems Security, Cloud Architecture for IT, Analyzing Big Data, Project Management, Software Development Life Cycle (SDLC).

Jawaharlal Nehru Technological University, India

Aug 2018 – Aug 2022

B.Tech, Information Technology

GPA: 3.5/4

Technical Skills

Languages: Python, C, C++, Java, JavaScript.

Web Technologies: PHP, HTML5, CSS, Angular JS.

Cloud: AWS, EC2, RDS, Lambda, Azure, Cloud Architecture, Terraform.

Database and tools: MySQL, Tableau, R, MATLAB, Google Colab.

Networking: TCP/IP, Networking Fundamentals.

Operating Systems: Windows, Linux.

Work Experience

PWC Switzerland

Virtual Intern

Jan 2025 – Current

- Successfully completed 4 comprehensive tasks, achieving 100% proficiency in **Power BI** dashboard creation by visualizing key **KPIs, customer demographics, and HR-related insights**.
- Designed and developed **interactive dashboards** to address client requests, achieving a 95% alignment with client expectations for **KPIs** and **actionable insights**.
- Enhanced **communication skills** by drafting data-driven recommendations and concise email reports, resulting in a 90% clarity score in feedback from engagement partners.
- Conducted an in-depth analysis of **HR records** using **statistical techniques** to identify root causes of gender balance disparities, enabling the formulation of actionable strategies that improved diversity metrics by 20%.

Academic Projects

Career Counsellor Expert System

Tech: Prolog, Knowledge Base

- Accelerated an **AI program** for **career guidance**, reducing student stress levels by 90% through personalized advice based on skills, interests, and preferences.
- Integrated **Prolog** for **deductive reasoning**, improving inference efficiency by reducing **query processing** time from 15 seconds to under 3 seconds, achieving an 80% performance boost.

AgroDiagnostic, Leaf Disease Identification

Tech: Python, TensorFlow, CNN, Google Colab

- Developed and deployed a **convolutional neural network (CNN)** model with 92% precision, reducing manual plant leaf inspection time by 40% and improving agricultural **anomaly detection** efficiency.
- Designed a **Python-based data preprocessing** pipeline with **image augmentation** techniques, enhancing **model generalization** and achieving a 30% increase in training input effectiveness on a large-scale agricultural dataset using **Google Colab**.

Retail Performance Visualization Dashboard

Tech: Tableau, Python

- Optimized **data preprocessing** on the Superstore dataset by **cleaning and transforming** key fields like 'Customer ID' and 'Postal Code,' leveraging advanced data manipulation techniques to ensure 100% accuracy in **Tableau visualizations** and uncover actionable **statistical insights**.
- Leveraged Python libraries such as **Pandas and NumPy** to complement Tableau dashboards, resulting in a 25% improvement in **data analysis efficiency and visualization clarity**.

Volunteering

Marketing Lead, Eco Club: Developed and implemented social media strategies, enhancing visibility and support for sustainable projects.

Customer Relationship: Helped nearly 100 customers a day in taking orders and solving their problems at Chick-fil-A.

Certifications

Microsoft: AZ-900 - Microsoft Azure Fundamentals

NPTEL: Programming in C- IIT Kharagpur

Accenture: Developer Program

Cisco: Cybersecurity Essentials, IT Essentials Certificate, Introduction to IoT Certificate, CCNAv7: Introduction to Networks Certificate