NISHITHA MADADI

Phn:+1 (623) 291-8068   Email :nishithareddyit@gmail.com   LinkedIn :Nishitha Madadi   GitHub :Nishitha Madadi

Summary

Enthusiastic Software Engineer with a strong foundation in web development, data structures, and object-oriented programming. Skilled in HTML, CSS, JavaScript, Python, and system integration. Committed to innovation and delivering scalable applications with integrity and care, ensuring efficient and user-friendly solutions.

Education

Arizona State University, Arizona   **Jan 2023 – Dec 2024**
Master of Science, Information Technology   **GPA: 4.00/4**
- Course Work: Computer Architecture, Data Visualization, Advanced Database Management System, Advanced Information Systems Security, Cloud Architecture for IT, Analyzing Big Data, Project Management, Software Development Life Cycle

Jawaharlal Nehru Technological University, India   **Aug 2018 – Aug 2022**
Bachelor of Technology, Information Technology   **GPA: 3.50/4**

Technical Skills

Programming Languages: Python, C, C++, Java, JavaScript(Node.js)
Web & Frontend Development: PHP,HTTP, HTML, CSS, React, TypeScript
Cloud & DevOps: AWS (EC2, RDS, Lambda), Azure, Cloud Architecture, SaaS
Databases & Search Technologies: SQL, NoSQL, MongoDB, Redis,Elasticsearch
Networking & Operating Systems: TCP/IP, Networking Fundamentals, Windows, Linux
Software Development & Project Management: Agile Methodology,Object Oriented, Data Structures, Algorithms,Problem-Solving

Internship

City of Moreton Bay Entrepreneurship & Innovation: Web Development
Virtual Intern   **Jan 2025**
- Completed a job simulation involving **website planning and creation**.
- Styled forms and layouts using **HTML and CSS**, ensuring accessibility and responsiveness.
- Used **Whimsical** to design **sitemaps and user flows**, aligning with branding and user needs.
- Applied **frontend development** principles, including React, **CSS frameworks**, to improve page interactivity and responsiveness.

Projects

E-Commerce Website Development   **Tech: HTML, CSS, PHP, MYSQL**
- Developed a fully functional e-commerce website using **PHP, HTML, CSS, and MySQL**, enabling seamless user and admin interactions.
- Implemented **secure login, session management, and role-based access** for admins and customers.
- Built an **interactive product management dashboard** for admins to add, edit, and delete products efficiently.

Live Weather Hub   **Tech: JavaScript, HTML, CSS**
- Developed a dynamic Weather App using **HTML, CSS, JavaScript**, and **OpenWeatherMap API** to display real-time weather updates.
- Integrated asynchronous **API calls** with **fetch() and JSON parsing** to retrieve and display weather data, improving user interaction.
- Optimized **UI/UX** with **responsive design** and implemented **error handling** for invalid city inputs, ensuring smooth user experience.

AgroDiagnostic, Leaf Disease Identification   **Tech: Machine Learning, Python, CNN, Google Colab**
- Developed and deployed a **convolutional neural network (CNN)** model with 92% precision, reducing manual plant leaf inspection time 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**.

Volunteering

Marketing Lead, Eco Club: Used collaboration skills to work effectively with a team(leadership) and implemented social media strategies, enhancing visibility and support for sustainable projects.
Customer Relationship: Utilized strong problem-solving skills to help nearly 100 customers a day in taking orders and knowing customer needs at Chick-fil-A.

Certifications

Microsoft: AZ-900 - Microsoft Azure Fundamentals
NPTEL: Programming in C- IIT Kharagpur
Accenture: Developer Program
Cisco: IT Essentials Certificate, Introduction to IoT Certificate, CCNAv7: Introduction to Networks Certificate