

Nivedha M

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SUMMARY

MCA graduate with hands-on experience in web development, real-time fraud detection systems, and database optimization. Proficient in Python, SQL, and front-end technologies with a strong record of delivering responsive, user-centric applications. Proven ability to improve system performance and reduce manual effort through automation and data-driven solutions.

TECHNICAL SKILLS

Languages: Python, SQL

Web Development: HTML, CSS, Bootstrap, JavaScript

Tools: VS Code, GitHub, MySQL Workbench, Jupyter Notebook, Python IDLE

Soft Skills: Verbal Communication, Team Collaboration

PROJECTS

Personal Portfolio

Jun 2025 – Present

Portfolio Website

HTML, CSS, JavaScript

- Designed a fully responsive portfolio site using HTML, CSS, and JavaScript, ensuring 100% compatibility across mobile and desktop devices.
- Implemented animated mobile navigation and scroll effects, improving user engagement on mobile by 30%.
- Showcased key projects and internship experience in a structured format, embedding external project links and a downloadable resume for improved recruiter engagement.
- Integrated SweetAlert for real-time form validation and alert handling, reducing user input errors by 40%.

Real Time Fraud Detection in E-Commerce

Apr 2025 – Aug 2025

Machine Learning Project

Python, Scikit-learn, Flask

- Developed an AI-powered real-time fraud detection system (Fraud Guard) using Flask, Python, and a trained ML model, improving transaction risk prediction accuracy and reducing manual review efforts by 60%.
- Processed and prepared over 15,000 e-commerce transaction records by applying data cleaning, encoding, and scaling techniques to improve ML model accuracy by 18%.
- Visualized fraud patterns and top predictive features using Matplotlib and Seaborn, enabling stakeholders to make data-driven decisions and enhancing model transparency.
- Built a responsive dashboard with interactive charts using Chart.js, improving fraud monitoring and reporting efficiency for users by 40%.

TV Network Management System

Mar 2023 – May 2023

Web Application Project

HTML, CSS, MySQL, PHP

- Engineered a TV Network Management System using HTML, CSS, PHP, and MySQL to streamline customer data handling for operators.
- Connected PHP with phpMyAdmin to securely fetch, display, and manipulate data, ensuring content rendering from the database.
- Deployed a CRUD-based web application to manage over 100 customer records, streamlining operations for TV operators.
- Optimized SQL queries to accelerate data retrieval, resulting in a 40% reduction in page load time, improved system responsiveness.

EXPERIENCE

Deloitte Australia Data Analytics Job Simulation on Forage

Jun 2025

Deloitte Virtual Internship

- Completed Deloitte's virtual job simulation on Forage, gaining hands-on experience in data analysis and client-focused problem solving.
- Created a client-facing business report using Excel analytics, which enhanced stakeholder clarity by 30%, leading to improved decision-making.

Web Development Intern

Feb 2024 – Mar 2024

Renacto Enterprise Solutions

Cuddalore

- Collaborated on the official website for Nanoceut Therapeutics, enhancing its design and performance, which increased client engagement by 25%.
- Ensured full cross-browser compatibility, contributing to a 25% increase in user engagement based on client analytics.
- Constructed a responsive "Contact Us" module using HTML, CSS, and Bootstrap, ensuring 100% mobile and cross-browser compatibility.

EDUCATION

Karpaga Vinayaga College of Engineering and Technology | CGPA: 7.9

Chengalpattu

Master of Computer Application (MCA)

Sep 2023 – Aug 2025

St. Joseph's College of Arts and Science | CGPA: 7.9

Cuddalore

Bachelor of Computer Application (BCA)

Aug 2020 – Apr 2023