

Dharmik Patel

+1 647-612-3432 | patel4x8@uwindsor.ca | LinkedIn

EDUCATION

University of Windsor
Master of Applied Computing

Windsor, Ontario
09/2023 - 12/2024 (*expected*)

WORK EXPERIENCE AND INTERNSHIP

- Grubrrr** 08/2021 - 06/2024
Software Developer(.Net Developer) Ahmedabad, India
- Developed and maintained a wide range of .Net Core administration and monitoring applications to improve and expedite order processing systems for for diverse clientele.
 - Leveraged the .NET MVC framework to provide comprehensive solutions, including backend functionalities, API implementations using C# and SQL, database designs, and deployment procedures, to improve accuracy and enhance the customer experience.
 - Expedited the integration process and saw a sixty percent rise in customers in less than a year. This was accomplished by enabling third-party interaction between the company's frontend components and external backends through the use of Entity Framework, ASP.NET MVC, SQL Server, and advanced database principles.
 - Together with my team, we accomplished major objectives, such as obtaining business funding, growing revenue significantly, and winning the Samsung V/X 2022 Showcase's Food and Beverage Emerging Technology Partner of the Year award, which we convincingly displayed to clients.
- Indian Space Research Organisation(ISRO)** 12/2020 - 05/2021
Data Analyst Intern Ahmedabad, India
- Under the supervision of Dr. K. N. Babu, conducted validation and comparison research for ISRO's Inter-Sensor Analysis Satellite Data during my internship as a Data Analyst in Ahmedabad, India.
 - Utilized various Python modules for comparing data from the INSAT-3D satellite with the MODIS sensor, focusing on Land Surface Temperature (LST) and Sea Surface Temperature (SST) observations. The research tackled challenges in LST/SST retrieval from satellite data and evaluated methodologies for temporal normalization and validation of satellite-derived LST and SST products.
 - Played a pivotal role in advancing understanding and methodologies in satellite data analysis. This research aimed to improve the accuracy and reliability of temperature observations, benefiting studies related to surface energy and water balance at both local and global scales.

PROJECTS

- Digital Menu Board(DMB)** 03/2022 - 05/2024
- Designed and implemented DMB solutions for eateries, cutting expenses related to modifying details of menu items and promotions by inventories, all the while enhancing client attraction for Grubrrr.
 - To provide ways to improve the dining experience and expedite menu administration procedures, dynamic streaming menu displays were implemented utilizing C# APIs, MVC, HTML, CSS, jQuery, JavaScript, and MS SQL Server. Offline capabilities became available through the use of indexedDB and localStorage.
- Fertilizer Recommendation System Based on Plant Disease Prediction** 01/2024 - 04/2024
- Oversaw the creation of a team of four people that developed a Fertilizer Recommendation System using EfficientNetV2 to add Plant Disease Prediction to maximize the usage of pest control and nutrient administration methods in agriculture.
 - Enhanced precision farming techniques and sustainable agriculture practices by setting up to use state-of-the-art CNN algorithms to precisely identify plant illnesses and offer optimal fertilizers and pesticides.

TECHNICAL SKILLS

- * **Programming Languages:** C, C#, Python, Java, C++, JavaScript, HTML, CSS, jQuery
- * **Frameworks:** ASP.NET MVC, Bootstrap, Entity Framework, Django
- * **Database:** DBMS, RDBMS, , MongoDB, MySQL, LINQ, indexedDB, MS SQL Server, localStorage
- * **DevOps & Cloud:** Azure Cloud Services, Google Cloud, Deployment(CI/CD), Git
- * **Core Concepts:** Object oriented design, Algorithms and Data Structure, Agile, Scrum, SLDC, API designs, Application Development, Debugging, System Architecture
- * **Soft Skills:** Analytical and Problem Solving skills, Communication, Collaboration and Team Management

CERTIFICATIONS

- * Unix Essential Training, LinkedIn Learning - 2023
- * Learning ASP.NET Core MVC, LinkedIn Learning - 2023
- * C: Advanced Practices, LinkedIn Learning - 2023