

VRAJ PATEL

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Highly motivated and detail-oriented **software engineer** with experience in developing innovative and efficient software solutions with a strong technical skill set in multiple programming languages. Experienced in **Agile methodologies** and a **problem solver** who consistently exceeds project expectations. Seeking to leverage expertise and passion for technology to contribute to the success of a dynamic and fast-paced software development team.

KEY SKILLS

- Proficient in **C#** and **Python** programming with good debugging and **OOP** skills.
- Strong understanding of **data structures and algorithms** to solve complex problems efficiently.
- Proficient in Object oriented programming in C# as well as experience with **MS SQL Server, ASP .Net, .Net Core, .Net MVC, Entity Framework and ORM frameworks**.
- Hands-on experience with python's web frameworks like **Django** and **Flask** with (ORM) libraries.
- Understanding of Data Visualization, EDA, Statistics, **Machine Learning** and Deep Learning Methods.
- Experience on implementing and integrating various WebServices and **APIs using C# and Python**.
- Knowledge of writing **unit tests**, integration tests, and **debugging** code to ensure software quality.
- Understanding of **DevOps** principles, including **CI/CD** pipelines, automated testing, and containerization.
- Familiarity of **OOP** principles, **design patterns**, and **SOLID** principles for writing clean, maintainable, and scalable code.

TOOLS AND TECHNOLOGIES

- **Programming Languages:** Python, C#, Java, C, C++
- **Web Technologies:** HTML, CSS, Javascript, Typescript, Ajax, Bootstrap, JQuery
- **Frameworks:** Django, Flask, ASP.Net, .Net MVC, .Net Core, Flutter, React, Angular
- **Testing:** NUnit, xUnit, MStest
- **Python Libraries:** NumPy, Pandas, Matplotlib, Seaborn, SKLearn, Tensorflow, Keras, NLTK, Spacy
- **Databases:** MySQL, MongoDB
- **Developer Tools:** Git, Visual Studio, PyCharm, Android Studio, Tableau, Jupyter Notebooks, WEKA
- **Cloud Technologies:** Microsoft Azure, AWS, Docker

EXPERIENCE

Credit Card Management Services **Full Stack Developer , Programmer** **May 2021 – current**

- Implemented system and applications designs using full stack workflow by creating frontend, developing backend in C# and .Net Framework and maintaining SQL server databases.
- Created a website using ASP .NET C# MVC framework and MS SQL Server for conducting online courses for various clients.
- Developed an application using iText and iTextSharp libraries to stamp electronic signatures on PDFs with additional features to edit and integrate desired information from the database.
- Analyzed requirements and develop new code and features for the company's proprietary software, online courses and websites using ASP.NET C# web frameworks in Visual Studio.
- Implemented and integrated Web Services and API's to the company's proprietary software and online courses such as payment processors (Authorize.net), Adobe Sign, SAP Crystal Reports, TransUnion Credit Reporting Systems, among others.
- Optimized and maintained existing code in order to keep up with the users' needs as well as with management requirements.
- Developed and maintained RESTful applications on ASP.NET to receive data from other vendors and partners that send clients and business to Debthelper.com.
- Maintained and optimized a client portal using ASP.NET C# for clients on the debt management program, mainly used for clients to keep up with the amount of debt they owe and updating their payment information for future processing.

EDUCATIONAL QUALIFICATIONS

Florida Atlantic University **Florida, USA** **May 2021 – August 2022**

- **Major:** Computer Science, M.S. (**Master's degree**)
- **Coursework:** Machine Learning, Software Engineering, Data Mining, Deep Learning, Neural Networks, Information Retrieval, Cloud Computing, Artificial Intelligence, Natural Language Processing, Computer Vision.

Gujarat Technological University **Gujarat, India** **August 2016 – August 2020**

- **Major:** Computer Engineering, B.E. (**Bachelor's degree**)
- **Coursework:** Computer Programming, Object Oriented Programming, Data Structures & Algorithms, Database, Python Programming, Software Engineering, Artificial Intelligence.

PROJECTS

- **greenGrocery** ([view](#)): A website using Django, Python and MongoDB to create an online grocery shopping portal.
- **AssistantMemo** ([view](#)): A Flutter (Mobile) App to convert speech to text using FAST API and Docker.
- **eSchool** ([view](#)): A Web Portal to take an online course using C#, Asp .net (MVC) and MS SQL Server.
- **Signature eTool** ([view](#)): An application to digitally sign signatures on legal documents using C#, .NET and MySQL.
- **Digit Classifier** ([view](#)): Recognizing handwritten number using CNN model.
- **Movie reviewer** ([view](#)): Semantic analysis based on feedback on IMDB movies and predicting it to be good or bad.
- **Image Classifier** ([view](#)): Classifying animal images to their corresponding animal traits.
- **Action Predictor** ([view](#)): Recognizing the action performed in a gif or a video.