Marmik Parikh

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Profiles

in **Marmik Parikh**

○ **Marmik4**

Profile of skills

- **Information Security & Risk Management:** Full Stack Engineer & Master's student specializing in **DevSecOps**, secure coding standards, and risk management. Experienced in bridging the gap between application development (Python/C#) and security protocols.
- **Secure Development:** Experience implementing **authentication and role-based access control** within enterprise .NET applications.
- **Problem-Solving & Analysis:** Skilled in debugging, threat detection, and **resolving production issues** with a focus on secure, reliable delivery.
- **Collaboration & Delivery:** Worked in Agile teams, ensuring compliance with **security standards** while delivering business-critical solutions.

Skills

C#, ASP .NET, Python, ML, Git, SQL, Nodejs, Docker, Unity, HTML, CSS, Javascript

Certifications

FCP - Fortigate 7.4 Self Administrator Self Paced
Fortinet
Dec 2024
○ Fortinet

FCP - FortiGate 7.4 Administrator Lab - Academy
Fortinet
Dec 2024
○ Lab

Experience

Meditab Software Pvt Ltd   Dec 2021 - May 2024
Programmer Analyst

Tools/languages: C#, ASP.Net, HTML, CSS, Javascript, SQL, Git, Python (Scripting), Microsoft Visual Studio, Microsoft SQL Server Management Studio, Postman

- Implemented **secure authentication and role-based access controls**, improving system security for enterprise healthcare clients.
- Participated in **secure API design and integration**, ensuring data protection during communication between front-end, third-party services, and backend systems.
- Collaborated with cross-functional teams to review security protocols and reduce vulnerabilities in **ASP.NET applications**.
- Enhanced SQL Server security by optimizing stored procedures and applying **data access restrictions** where necessary.
- Debugged and resolved **20+ .NET production issues**, including security-related vulnerabilities, reducing average resolution time by **30%**.

Education

Ontario Tech University   Sep 2024 - Current
Information Technology Security   Masters
3.75 / 4.3 GPA

Charotar University of Science and Engineering   July 2018 - April 2022
Computer Science and Engineering   BTech
8.62 / 10 CGPA

Projects

AI - Hairstyle Generator (Ongoing)
○ https://github.com/Marmik4/AI-HairStyle-Generator

Tools/ Language: Python(Scripting), Microsoft Visual Code

- Trained a hair segmentation model on the CelebA dataset to create hair masks.
- Implemented a **prompt-based system** using the Diffusers library to generate hairstyles on uploaded images.

Phishing Detection
○ https://github.com/Marmik4/PhishingDetection

Tools/ Language: Python(Scripting), Microsoft Visual Code

- Developed a machine learning model to detect phishing emails.
- Trained on a Kaggle dataset containing common phishing terms, improving detection accuracy.

PTanks Game
○ https://github.com/Marmik4/PTanks

Tools/Languages: Unity, c#, photoshop, Visual Studio

- Built a 2D tank battle game inspired by Pocket Tanks using Unity and C#.
- Designed a **projectile physics system** and created a simple **AI opponent** for single-player mode.

SnapSplit – Collaborative Bill Management App
○ https://github.com/Marmik4/SnapSplit

Tools/Languages: React.js, Nodejs, Firebase (Firestore, Auth), Tailwind CSS, Gemini api, Vercel

- Developed a real-time, collaborative bill-splitting web application (PWA) enabling synchronous multi-user expense tracking across devices.
- Integrated Gemini api for automated receipt scanning and parsing, implementing complex algorithms for dynamic tax calculation and proportional cost distribution.

Process Automation
○ https://github.com/Marmik4/WebSite-Automation

Tools/Languages: Python(Scripting), Visual Code

- Created a Python-based script to **automatically refresh web pages** until a target button becomes active.