Nilay Shah

631-747-8638 | nilay1943@gmail.com | https://www.linkedin.com/in/ns19/

Education

Georgia Institute of Technology *Grad Dec. 2023*
Bachelors of Computer Science

Experience

Website Developer - Freelance *Spring 2024*
- Developing a website using WordPress, PHP, and Google APIs to sell software products to consumers
- Created a template and documentation for adding new web pages for different branches of the non-profit organization Food-For-life

Software Development Intern - **Institute of Nuclear Power Operations** *Spring 2022*
- Resolved incidents with database issues and server configurations preventing the overriding of 3 critical services which handled logging into internal systems and employee onboarding
- Optimized 9 heavily used SQL reports and associated queries to streamline information to clients
- Refactored codebase which used .Net framework with C# to organize information on internal web pages
- Identified issues via mock user testing and fixed bugs related to permissions, onboarding, and database inputs

Software Development Intern - Datascan *Summer 2019*
- Modernized Spring MVC framework to use Java 8 libraries to read and write time, making it more efficient and intuitive for future development
- Triaged and collaborated with multiple teams to resolve critical bugs dealing with data transfers between projects and different layers of REST API
- Reduced unnecessary table joins to allow for a Redis cache integration. Improving data server efficiency by optimizing SQL queries

Software Development Projects

Twitter Bot - https://github.com/nilay1943/TwitterGPTBot
- Generates and posts personalized tweets based on the articles read using ChatGPT and Twitter APIs.
- Uses Python to scrape the CNBC website for news about mortgages and SQLite3 to keep track of previously read articles.
- Used by a mortgage broker in order to maintain a social media presence. Future modifications can generalize this for other clients.

Battleship Bot - https://github.com/nilay1943/Battleship
- Created a Battleship bot using the JavaFX library.
- Constructed a probability gradient that dynamically changes values based on previous guesses.

Wayvsage.ga - https://github.com/nilay1943/WayvSageWeb
- Established a website using React, CSS flex, and grid libraries with Github Pages.
- Directed users to multiple different social media of the artist as well as other information regarding background and contact.

Aery - https://github.com/nilay1943/Aery
- Built a replica of a modeling program used by high school aerospace classes using Java Swing.
- Generated renders of a balsa wood airplane according to user-specified dimensions such as root chord length and leading sweep angle

Technical Skill

- Languages   : Java, C#, Python, React, SQL, Javascript
- Tools   : Postman, Docker, Git, TFS, Jenkins, Service Now, JIRA, Spring, JUnit
- Soft Skills   : Critical thinking, Communication, Root Cause Analysis, Agile Development