DEEPTANSHU SANGHANI

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PROFESSIONAL SUMMARY

- Experience working on a live project using Python libraries, creating algorithms to improve efficiency for license plate recognition.
- Used multiple frameworks like Spring Boot, ASP.Net for backend development in Python, Java, C# and APIs as well as Angular, ReactJS, JavaScript for frontend.
- Experience with version control systems such as BitBucket, Git and GitHub

TECHNICAL SKILLS

- Python | C, C-Sharp, C++, Xamarin | ASP / .Net Framework | Spring Boot | JavaScript | Java
- Git, GitHub | Jira
- MS-Office (Teams, Word, and Excel) - Basic knowledge
- PL / SQL (Basic) | Hadoop | Flume | Spark / Spark Structured | Mongo DB | NoSql

EDUCATION

Honours Bachelor of Computer Science (Data Analytics) | Sheridan College   **Pursuing (3ʳᵈ year)**

- Relevant Subjects: Data Structures, Statistics for Data Science, Enterprise Software Systems, Web Development, Calculus, Discrete Math, Software Design, Big Data Management (Overall GPA – 3.35)

PROJECTS

BookStore: C#, Entity, ASP.NET, Razor, SQL   **Oct 2023**

- Created a web application implementing basic functionalities of a bookstore using C# and APIs on ASP.NET Framework.
- Designed an interactive GUI allowing users to navigate between pages using Razor Pages, CSS and JavaScript.
- Created a SQL server to persist data using Entity Framework.

FlowerStore: Spring, Angular   **Apr 2023**

- Engineered a robust flower store using Spring, including Spring Boot and Spring Data. Implemented RESTful APIs for seamless data retrieval and display on web pages.
- Developed an interactive Angular webpage seamlessly interfacing with existing APIs; adjusted website design using CSS and JavaScript.

PetSitter Website: Spring, Angular   **Apr 2023**

- Developed an application employing the synergy of Spring and Angular frameworks to showcase diverse pet types and respective caretakers.
- Established data initialization through an in-memory database and created robust APIs using the Spring framework, ensuring efficient service delivery.

EXPERIENCE

Data Scientist – Smart Parking Project (Sheridan College)   **Oct 2023 - Present**

- Analyzed data for scanned license plate numbers and registration data to find mismatches and calculate the mismatch score.
- Collaborated with 2 team members to construct an algorithm to improve car recognition efficiency from 96% to 98.
- Developed an algorithm using python to clean Car Registration Data (approximately 50000 records in excel).
- Presented Levenshtein's distance algorithm and mismatch score calculation findings during client meeting.

Program Tutor – Sheridan College   **Oct 2023 - Present**

- Offered after-school academic support to students, understanding, and designing study patterns, documenting weekly student progress, reporting 10% improvement in average student performance.
- Collaborated with Course Professor to formulate a Group Session plan; providing academic support to multiple students through the revisitation of key concepts covered in lectures.