

# 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 | React | Angular | Node | Tailwind | MERN
- 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 (3<sup>rd</sup> 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 – LocoMobi World** **Oct 2023 - Present**
- Analyzed data for scanned license plate numbers and registration data to find mismatches and calculate the mismatch score.
  - Collaborated with team members to construct an algorithm and improved car recognition by 50%
  - 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.