

DEEPTANSHU SANGHANI

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PROFESSIONAL SUMMARY

Computer Science Student & Software Engineer with experience working on a data science project for LocoMobi World. Agile learner with a curiosity in understanding how technology moves the world; passionate about finance/medical technology.

TECHNICAL SKILLS

- Python, C, C#, C++ Java, JavaScript, ASP / .Net Framework, Spring Boot, React, Angular, Node, Tailwind, MERN, ViteJS, ExpressJS, FastAPI, AWS, Machine Learning/ AI, MicroServices
- Git, GitHub | Jira | BitBucket
- PL / SQL, Hadoop, Flume, Spark / Spark Structured, Mongo DB, NoSql, Bash, Linux, Embedded Systems

EDUCATION

Bachelor of Computer Science | Sheridan College (Pursuing 3rd Year)

Graduating: 2026

- Relevant Subjects: Data Structures, Statistics for Data Science, Enterprise Software Systems, Web Development, Calculus, Discrete Math, Software Design, Big Data Management (Overall GPA – 3.36)

EXPERIENCE

Software Engineer – Internship – Intellect Design Arena

May 2024 – Present

- Collaborated with production support team and senior engineers to gather requirements for creating a monitoring dashboard for payment processing engine.
- Developed the monitoring dashboard by reading production files from a server location using Java and creating dashboards using Angular providing real time performance monitoring, significantly improving payment processing.

Data Scientist – Smart Parking Project – LocoMobi World

Oct 2023 – Dec 2023

- Analyzed and created an algorithm using python to scan license plate numbers and registration data to find mismatches and calculate the mismatch score.
- Created a correlation matrix and applied Levenshtein's distance algorithm to calculate mismatch score by comparing actual versus scanned license plates and replacing characters to reduce car recognition mismatch by 50%.
- Presented above algorithm and results during client meeting.

PROJECTS

Guardian: Python, FASTAPI, LLM, ReactJS, SQLITE, LLAMA

Oct 2023

- Developed a middleware PII scrubber that sanitizes any personal information when a user provides a prompt to another LLM such as ChatGPT.
- Handled and persisted user authentication, authorization and personalized settings using JWTs and SQLite.
- Provided a seamless and interactive UI allowing users to chat with the LLM, manage roles within organizations, save PII keywords /LLM settings.

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.

StackSwap: ASP.NET, Entity, Bootstrap

Nov 2023

- Worked in a team of 4 on an interactive full stack web application that promoted the idea of a card trading platform.
- Coordinated team meetings / discussions and regularly sought feedback and perspectives for collaborative enhancement, enhancing problem solving capabilities and expedited solution development.
- Developed user and session management functionalities allowing for a seamless trade between two user's as well as allowing for cards to be stored in user's account.