

# SEMAL SHASTRI

Barrie, Ontario

+1 249-989-5324    [semalshastri02@gmail.com](mailto:semalshastri02@gmail.com)    [linkedin.com/in/semalshastri](https://www.linkedin.com/in/semalshastri)    [github.com/vaderSame](https://github.com/vaderSame)

## Education

### Georgian College

*Post Graduate Diploma in Artificial Intelligence*

**Sep. 2022 – August 2023**

*Barrie, Ontario*

### Ganpat University

*Bachelor of Information and Communication Technology*

**Sep. 2018 – May 2022**

*Mehsana, Gujarat*

## Experience

### Simcoe County

*Capstone Project*

**December 2023 – Present**

*Barrie, ON*

- Spearheaded the integration of AI, championing the county health department's initiative to elevate service quality by strategically utilizing advanced AI capabilities, fostering collaboration and innovation.
- Led data modeling efforts, meticulously analyzing historical call data to formulate a robust predictive model for dispatch calls.
- Pioneered developing and implementing a predictive model for emergency calls, setting crucial project objectives, and skillfully incorporating demographic shifts across various cities and townships in Simcoe County.

### Polyxer Systems

*Full Stack Developer*

**February 2022 – August 2023**

*Ahmedabad, India*

- Implemented Entity Framework with LINQ for efficient data access and developing RESTful APIs, driving system functionality and fostering innovation.
- Leveraged diverse database designs and normalization techniques to develop efficient stored procedures, user-defined functions, and strategic implementation of caching mechanisms, achieving significant efficiency gains.
- Led a dynamic 5+ developer team in close collaboration with clients, ensuring a deep understanding of requirements and facilitating the timely and budget-conscious delivery of optimal solutions to meet client needs.

## Projects

### Netflix IMDB analysis | *Talend, MSQl, PowerBI, Report Builder*

**December 2023**

- Performed explanatory analysis of Netflix and IMDb datasets using MS SQL Server, employing Talend for seamless data extraction, transformation, and loading (ETL) processes.
- Established a robust data pipeline, harnessing the power of PowerBI for visualizations and insights, resulting in enhanced decision-making and strategic planning.
- Applied advanced querying and data modeling techniques in MS SQL Server to uncover key insights, enabling data-driven decision-making and contributing to the optimization of content delivery strategies.

### Automatic Attendance System | *Python, OpenCV, dlib*

**November 2023**

- Deployed a robust system capable of efficiently marking student attendance by leveraging facial detection and recognition algorithms
- Developed a sophisticated solution that utilizes a collected database of facial images to identify and mark student attendance seamlessly.

### Restaurant Reservation Bot | *Python, Render, Google Cloud Console, Github*

**October 2023**

- Engineered an AI chatbot, "RestroBud," using Google Dialogflow for streamlined restaurant inquiries, leveraging Dialogflow's intent recognition and entity extraction.
- Executed a Flask-based web API to establish a seamless communication channel between the user interface and the backend logic.
- Integrated Google Cloud services to fortify RestroBud's functionality, utilizing cloud-based resources for efficient data processing and storage.
- Elevating deployment efficiency through automated deploys from Git using the Render platform, embracing a continuous integration and delivery (CI/CD) approach for code reliability and rapid updates.

## Technical Skills

**Languages:** Python, Java, C, C++, C#, HTML/CSS, JavaScript, SQL

**Libraries:** Keras, Matplotlib, PyTorch, SeaBorn Numpy, Pandas, Tensorflow

**Frameworks & Tools:** DOTNET, NodeJS, ReactJS, Git, RestAPI

**Databases:** MySQL, Apache Cassandra, SQLite, PostgreSQL

## Certifications

- Python for Data Science and Machine Learning Bootcamp - Udemy
- Complete Tensorflow 2 and Keras Deep Learning Bootcamp - Udemy