

# Varun Vasamsetty

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## PROFILE SYNOPSIS

- Software Developer professional in specialization with Computer Science from **VSIT (Mumbai University)**. Currently pursuing my master's in computer science at KENT STATE UNIVERSITY (KSU).
- Implemented Machine Learning project from conception till production.
- Experience in cloud platforms like Amazon Web Services (AWS) and Google Cloud Platform (GCP)
- Applied Data Science and Machine Learning tools and technologies on various academic projects related to Data Mining, Data Visualization, Machine Learning in both Supervised and Unsupervised learning, and Data Management

## PROFESSIONAL WORK

### EXPERIENCE

#### Virtual Assistant – UPRISE ' CA

Mar'22 – Aug'23

##### Key roles:

- Managing emails, scheduling appointments, and setting reminders. Data entry, organizing files, and maintaining databases.
- Developing Forms and Pages in MS SharePoint to gather, interpret and examine the data to build Machine Learning Models
- Study and identify relevant findings and provide actionable insights to the leadership

## PROJECTS UNDERTAKEN

#### Local ChatBot using RAG pipeline

#### Machine Learning & Deep Learning

The reading of a project to build a local chatbot around Constitutional Law with RAG using as a tool. RAG (Reinforced Alignment) is a technique for improving language models accuracy in natural language processing by aligning the language model with the external sources like its databases and knowledge bases.

#### Sentiment Analysis compliance

#### Monitoring & Measurement – Learning

Built and automated process to understand the sentiment of comments gathered from MS SharePoint using classification algorithms Logistic Regression and Naïve Bayes with an accuracy of 85%.

## ACADEMIC PROJECTS

#### Stray Animal Adoption

The project aims to create a web-based application using Python and web frameworks like Flask or Django to connect stray animals with potential adopters. The system provides a platform for animal shelters, rescue organizations, and individuals to showcase animals available for adoption, enabling users to browse, inquire, and adopt animals. Where we achieved and impressed our coordinators to actually implement it.

#### Database Management System

Performed the analysis of SQL using SQLite on python jupyter notebook, where the SQL queries are implemented on IMDB data, prepared several queries to find out the different scenarios to give output based on the individual ID's given to every feature, names of the movies, actors, Directors, year of release etc., from the Data tables and Mapping tables which contains primary keys and foreign keys and Using libraries like pandas to read the data.

## EDUCATION

STUDY BACKGROUND	UNIVERSITY NAME	YEAR	CGPI
MS- Computer Science	Kent State University	2023-2025	3.76
CS- Computer Science	VSIT Mumbai University	2019-2022	8.14
Intermediate (MEC)	Board of Intermediate Education	2017-19	73%
Secondary Education	Central Board of secondary Education	2016-17	9.3

## Skills

- Python, JavaScript, SQL
- HTML, CSS
- Tableau, Power BI
- AWS, GCP
- MS SharePoint, SharePoint Designer, Nintex Forms
- Excel VBA