

## EDUCATION

### SRM Institute of Technology

Bachelor of Technology, Computer Science Engineering, **CGPA: 9.26/10**

Chennai, India

2018-2022

## SKILLSETS

**LANGUAGES** : Python, JavaScript, C++, SQL

**FRAMEWORKS/LIBRARIES** : Flask, Django, React, Pandas, NumPy, TensorFlow, NLP, SCIPY, Deep Learning (RNN, CNN)

**TOOLS/TECHNOLOGIES** : Docker, Rest API, ETL, PowerBI, AWS, Azure, Streamlit, GIT, GEN-AI (Basics), Lang Chain(Basics)

**CERTIFICATES/COURSES** : AWS Cloud Practitioner, Machine Learning(Coursera), Cloud Computing(IITK), Data Science Python(Udemy)

## WORK EXPERIENCE

### Deloitte

Bangalore, India

#### Python Developer - CTF Challenge Development

Dec 2023 –July 2024

- Designed, developed, and deployed cybersecurity CTF(Capture The Flag) challenges, from scratch using python, flask, react.
- Received SPOT award for Significantly increasing project efficiency by producing **20+ challenges** in a quick span of time.
- Built challenges in Cryptography, Data Science, Web Exploitation, Networking, and containerized the applications using Docker.
- First team member to develop a GEN-AI challenge which involved working with various machine learning techniques.
- **Secured funding** for another year with promising technical programs which was highly appreciated by the management.
- Involved in planning and organizing **5+** internal and external CTF events.

#### AI / ML Engineer – Kyndryl Implementation

Mar 2023 –Dec 2023

- Created XML-based rules from JSON documents to train a Machine Learning model for predicting legal contract attributes.
- Automated keyword extraction using NLP (NLTK, NER, TF-IDF, BERT), reducing processing time from **6 hours to 2.5 hours**.
- Utilized ML models (SVM, KNN, Logistic Regression) to categorize contracts and migrated 100k+ contracts using Azure BLOB.
- Developed a Flask web application for streamlining the training process, leveraging LLM, ORM, and REST APIs features.
- Promoted from analyst to consultant for outstanding performance which included improving model accuracy from **63% to 90%**.
- Trained and Managed client personal on the features of NLP and rule building.
- Engaged in POC discussions with cross functional teams and stakeholders.

#### Data Analyst – Highmark / Wholecare Implementation

Nov 2022 –Mar 2023

- Boosted data analysis efficiency by **30-40%** through optimized SQL code and developed interactive Power BI dashboards.
- Processed data from **10,000+** contract documents using SQL Server Stored Procedures and window functions.
- Built ETL processes to transfer on-premises SQL Server data to AWS S3 Data Lake using Python.
- Delivered all project components excellently, leading to a new client deal and **increased revenue**.

#### Tech Intern – Risk and Advisory

Jan 2022 –April 2022

- Trained in Java, JavaScript, and React; worked on Identity Access Management tools like SailPoint.
- Created custom Java solutions based on client requirements and resolved system bugs by implementing new functions.

## PROJECTS

**Carpooling Champion: A study on the effect of Carpooling and Traffic Prediction using Deep Learning.** (OpenCV, LSTM, Keras)  
Used YOLO and TensorFlow to feed a LSTM model to predict car count and showcase a reduction in travel time by 25% with carpooling.

**Music Monsoon: A music suggestion app based on the weather of a location using Machine Learning.** (CNN, JS, Flask)  
Developed a web application to recommend different genres of songs based on the weather condition, using a CNN model.

**Resume Ranker: An NLP application used to rank profiles of applicants based on provided input.** (BERT, TF-IDF)  
Developed an application that ranks resumes on their similarity to a given Job Description using BERT and TF-IDF. This project was used by an internal team at Deloitte for their hiring process, optimizing the recruitment process and reducing time taken by 30%

**What's Cooking? : A Recipe generator that is built using GEN AI Features**(GENAI, React, XGBoost, Gradient Boost)  
Developed a recipe generator using GENAI functionalities that also predicts cuisine of given ingredients using machine learning models.

## PUBLICATIONS

- Coauthored and presented an ML-based crop health prediction paper at the International ICDAM conference, published in SSRN.

## EXTRA CURRICULARS AND HONORS

- 2x SPOT Award recipient for exemplary performance in client engagements at Deloitte.
- Secured a top 10 position at the Triathlon – A hackathon conducted by the Math Co. at SRM
- Led a team of 4 to develop a solution for a business challenge to participate in the AWS Innovation Challenge.
- Core member of Firm initiatives at Deloitte. Roles included: Lead editor for the Advisory Legal business newsletter.
- Member of firm initiative involved in developing a business case to promote the feasibility of using GenAI in the legal workspace.
- Awarded with Special Mention Delegate at the DEMUN (sub-branch of SRM Model United Nations)
- Regular volunteer at Deloitte's Impact Everyday program. Member of Deloitte's cultural club–DVIBES (Trinity certified keyboardist)