

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 – Present

- Designed, developed, and deployed cybersecurity CTF (Capture The Flag) challenges for Deloitte's cyber hackathon platform.
- Received the 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, and 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 API features.
- Promoted from analyst to consultant for outstanding performance, which included improving model accuracy from **63% to 90%**.
- Trained and managed client personnel on the features of NLP and rule building, coordinating their tasks and responsibilities.
- 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 also 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 and 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 based 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 the time taken by 30%.

What's Cooking? : A recipe generator that is built using GEN AI functionalities. (GENAI, React, XGBoost, Gradient Boost)

Developed a recipe generator using GENAI features that also predicts the 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 IST.
- Led a team of four 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 the SRM Model United Nations).
- Regular volunteer at Deloitte's Impact Everyday program. Member of Deloitte's cultural club-DVIBES (Trinity certified keyboardist).