

SRIKAR TANGALLAPALLY

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EDUCATION

B.Tech(IT) - Keshav Memorial Institute of Technology, Hyderabad, India

Nov 2022 - May 2026

- Maintaining a stellar 8.5 CGPA in the second year of my academic journey.

PROJECTS

Developing a Blockchain-Based eVault for Legal Records

([Github Repository](#))

- **Technology Stack:** HTML, CSS, JavaScript, Nodejs, Express, Hyperledger Fabric, CouchDB, IPFS.
- Developed a user-friendly interface to store and access the legal records of judicial department.
- Implemented backend with Nodejs and Express, developed smart contracts using JavaScript, configured Hyperledger Fabric for the network, stored metadata in CouchDB, and used IPFS for files storing. Deployed the project on Render.

Psephologist LLM

([Github Repository](#))

- **Technology Stack:** Python, Phi3 LLM model, Llama2 LLM model, Flask, React.js, Textblob lib.
- Developed a system to analyze previous election data and political tweets for predicting future voting outcomes.
- Implemented backend with Flask for LLM responses, used Phi3 LLM for text-to-SQL loaded via Ollama, developed a chatbot using Llama2 with RAG, performed sentiment analysis with textblob lib, used React.js for the frontend.

Database Design for Supply Chain App

- **Data Management:** Requirement Analysis, ER diagrams, RDBMS, Normalization, SQL.
- Analyzed requirements for an application to digitize interactions between suppliers and grocery store owners.
- Identified entities and relations, applied Normalization to design RDBMS tables, and created database tables and queries using SQL.

Digital Banking Application

([Github Repository](#))

- **Technology Stack:** Python, SMTP lib, JSON lib.
- Developed a digital banking simulation application with Python, featuring a command line interface for transactions.
- Implemented 2-factor authentication using SMTP library and used JSON library for storing user information .

TECHNICAL SKILLS

- **Programming Languages:** C + +, Java, Python, C, C#
- **Web Technologies:** HTML, CSS, JavaScript, Express, Nodejs, MERN Stack
- **Database:** MySQL, MongoDB
- **Tools:** VScode, GIT, Microsoft Azure
- **Operating Systems:** Windows, Linux, macOS
- **Problem Solving:** Data Structures and algorithms, Object Oriented Programming Concepts

ACHIEVEMENTS AND CERTIFICATES

Professional Development

- Selected Participant, Amazon ML Summer School 2024
- Prompt Design and Developing Generative AI Apps under GDSC at KMIT - 2024

Achievements

- Winner of Hackathon conducted by KMIT in Health Care domain — [2023](#)
- 2nd Rank District level in Science Olympiad — [2017](#)
- Earned distinction in the Google Gen AI Study Jam organized by GDSC at KMIT. — [2024](#)

EXTRACURRICULAR ACTIVITIES

Leadership

- Club Head at Recurse Club(Technical Club) at KMIT, actively contributing since September 2023.
- President of Rotaract Club of KMIT, Hyderabad

Activities

- Member in the Google Developer Student Club (GDSC) at KMIT, Hyderabad, enhancing skills since Nov 2023.
- PR coordinator at NSS KMIT, actively contributing to community service initiatives.