

KSHITIJ SINHA

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Education

SRM Institute of Science and Technology

B.Tech in CSE with specialization in Artificial Intelligence and Machine Learning

CGPA: 9.00/10

Sep 2022 – May 2026

Chennai, Tamil Nadu

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System
- Machine Learning
- Operating Systems
- Artificial Intelligence
- Computer Networks
- Computer Architecture

Experience

Newton School Coding Club, SRM

Non-Tech Head

May 2024 – July 2024

Chennai, Tamil Nadu

- Manage all non-technical tasks, including event logistics, permissions, resources and ensuring events run efficiently.
- Plan events, seminars, and sessions, and work with the stakeholders to secure sponsorships and partnerships.
- Led a 40-member team, delegating tasks, managing backend operations, and promoting events.

MLSA Club, SRM

Corporate Associate

Sep 2023 – Sep 2024

Chennai, Tamil Nadu

- Write LinkedIn content to promote club activities and achievements.
- Help plan and organize events, secure sponsorships, promote activities and provide on-site support.

Projects

Alumni Connect | Python, Tkinter, Sqlite

Sep 2023 – Nov 2023

- Developed a Tkinter-based GUI application for managing alumni records, including login authentication, CRUD operations, and search functionalities for easy data retrieval.
- Implemented an SQLite database for secure and efficient data storage, ensuring seamless access and modification of alumni records.
- Designed an easy-to-use interface to simplify alumni record management.

Metro Rail App | Java, Graph Algorithms

Apr 2024 – May 2024

- Developed a Java-based metro network simulation using graph data structures, facilitating efficient station and route management.
- Used Dijkstra's algorithm to find the shortest routes, improving travel efficiency.
- Designed dynamic fare computation based on distance and time, while incorporating interchange station identification for enhanced route planning.

Role-Based User Authentication | Flask, JWT, SQLAlchemy, HTML, CSS, JavaScript

Nov 2024 - Dec 2024

- Developed a Flask-based authentication system with role-based access control, ensuring secure user management for Admins and Regular Users.
- Implemented JWT authentication and password hashing techniques for data protection, using SQLAlchemy to manage user roles and permissions in the database.
- Designed an interactive web interface with HTML, CSS, and JavaScript, enabling Admins to manage user roles and Regular Users to update profiles through a secure web portal.

Technical Skills

Languages: Python, C/C++, Java, HTML, CSS

Frameworks: NumPy, Pandas, Matplotlib, TensorFlow, Tkinter

Tools: Power BI, Excel, PowerPoint, Git, MySQL, SQLite,

Platforms: Visual Studio Code, Jupyter Notebook, PyCharm, Eclipse

Soft Skills: Communication Skills, Teamwork, Leadership, Problem Solving, Time Management

Certifications

Oracle Cloud Infrastructure 2024 Data Foundations Associate – Certified in OCI core concepts, Autonomous Database, and data management.

Alteryx Foundation Micro-Credential – Demonstrated skills in data preparation, blending, and visualization using Alteryx.

Coursera: Computer Networking – Covered network protocols, IP addressing, and security fundamentals.