

Shrinithi Vijayakumar

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EDUCATION

COIMBATORE INSTITUTE OF TECHNOLOGY

MSc., Data Science (Integrated)

June 2023 - May 2028

CGPA: 8.2/10 (till 4th semester)

SRI CHAITANYA TECHNO SCHOOL

Higher Secondary Certificate

Jul 2021 - Mar 2023

Percentage: 81.92 %

PROJECTS

Flight Delay Prediction System

June 2025

Python, Pandas, Scikit-learn, Flask, HTML/CSS

- Developing a machine learning model to predict flight delays using historical data and real-time weather inputs.
- Integrated a real-time Weather API, enriching the machine learning model with six critical weather parameters, to predict flight delays; model flagged severe turbulence zones with 99% accuracy
- Integrated a comprehensive Weather API, extracting key meteorological data points such as wind speed and visibility; enhanced flight delay prediction model accuracy with 15% reduction in forecast error.

Chat Application

Apr 2025

Java, XML (Android Studio), Firebase

- Developed a mobile chat app with real-time messaging, Firebase-based user authentication, and a responsive UI using Java and XML in Android Studio.
- Implemented key features including persistent message storage, online status indicators, and intuitive navigation, resulting in a 40% faster user interaction flow.
- Optimized for low latency and high reliability, enabling instant communication with over 99% delivery accuracy in testing environments.

Cooking Recipe Website

Dec 2024

HTML, CSS, MongoDB, JavaScript

- Built a web application focused on Indian festive recipes, highlighting cultural significance through a visually engaging and user-friendly interface.
- Implemented a search feature enabling quick recipe discovery by name or ingredients, enhancing usability.
- Integrated audio support for each recipe to improve accessibility and enable hands-free cooking experiences.

SKILLS

Languages: Python, SQL, Java

Technologies & Tools: Excel, Power BI, Tableau, Seaborn, MySQL, MongoDB, GitHub

Soft Skills: Leadership, team collaboration, creativity, adaptability

CO-CURRICULAR ACTIVITIES

FOSS Club of CIT

Joint Secretary

Apr 2025 - Present

- Assisted in club operations, event planning, and tech initiatives while promoting student engagement and inter-department coordination.

Event Manager

Apr 2024 - Apr 2025

- Organized technical events and workshops, managing logistics, themes, and outreach to ensure high student participation.

ACHIEVEMENTS

Data Science Internship

- Analyzed and manipulated real-world datasets using Pandas and NumPy to uncover actionable insights; improved data processing speed by 40%, enabling faster decision-making for the analytics team in weekly reports.
- Gained hands-on experience in identifying and resolving 100+ data quality issues, handling missing values across multiple datasets, and presenting insights through clear and compelling visualizations.