

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Shri Vishnu Engineering College For Women	8.79 (Current)	2022-Present
Senior Secondary	Tirumala Mahila Junior College	96.1%	2020-2022
Secondary	Montessori (EM) High School	9.62	2020

ACADEMIC PROJECTS

- iDetect: An End-to-End Deep Learning System for Video Action Recognition**
 - Designed and developed a complete action recognition system using Bidirectional LSTM and ResNet-50 on the UCF-101 dataset.
 - Built an end-to-end pipeline covering feature extraction (OpenCV + ResNet-50), model training (PyTorch), and deployment via Flask.
 - Implemented smart preprocessing with cached ResNet features for training optimization and reduced compute time.
 - Integrated a web interface for video upload and real-time prediction display using HTML, CSS, JavaScript.
 - Tech Stack:** Python, PyTorch, Flask, OpenCV, NumPy, HTML, CSS, JavaScript, UCF-101
- Action Recognition with LRCN**
 - Built an action recognition system using Long-term Recurrent Convolutional Networks (LRCN) for video-based classification.
 - Achieved high accuracy on the UCF101 dataset by integrating CNNs for spatial features and LSTMs for temporal dependencies.
 - Tech Stack:** Python, TensorFlow, Keras, LSTM, CNN, UCF101
- FilmFinder**
 - Developed a movie recommendation system leveraging collaborative filtering and content-based techniques.
 - Enhanced performance through data cleaning, feature engineering, and exploratory data analysis.
 - Tech Stack:** Python, Pandas, NumPy, Scikit-learn, Jupyter Notebook
- Hospital Management System**
 - Designed a user-friendly UI for appointment scheduling with real-time doctor availability using Tkinter.
 - Streamlined data exchange between frontend and backend to enhance efficiency.
 - Tech Stack:** Python, Tkinter, SQLite

SKILLS

- Programming Languages:** Python, C, Java, JavaScript, SQL, HTML, CSS
- Libraries & Frameworks:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, React.js, Node.js
- Tools & Platforms:** Git, GitHub, MySQL, VS Code, Jupyter Notebook, Google Colab
- Core CS Concepts:** Data Structures Algorithms, Object-Oriented Programming (OOP), Operating Systems, DBMS, Computer Networks)
- AI/ML Concepts:** Machine Learning, Deep Learning, Natural Language Processing, Generative AI, Supervised Unsupervised Learning, Model Evaluation, Feature Engineering
- Soft Skills:** Strong Communication, Team Collaboration, Analytical Thinking, Problem Solving, Adaptability, Time Management

EXPERIENCE

- SkillDzire**

Data Science Intern

May 2024 - Jul. 2024

Virtual

 - Gained hands-on experience in data analysis, machine learning, and statistical modeling.
 - Utilized Python libraries such as Pandas, NumPy, and Scikit-learn for data manipulation and predictive modeling.
 - Worked on real-world projects involving data preprocessing, feature engineering, and implementing machine learning algorithms.

CERTIFICATIONS

- Google UX Design Professional Certificate:** Developed skills in UX design, usability testing, prototyping, and research. Explored user-centered design, accessibility, and equity-focused design while applying design thinking principles to create web and mobile solutions.
- Introduction to Data Science with Python - edX:** Acquired skills in Python for data analysis using Pandas and Matplotlib.
- IEEE IC HACK Phase I - IEEE Council, Indis:** Worked on innovative tech solutions, improving problem-solving and teamwork.
- Data Programming in Java, Database Management System - NPTEL:** Studied database management, SQL, and data structures in Java.

PARTICIPATIONS

- GenAI Study Jams - Google Developer Student Clubs (GDG):** Participated in the GenAI Study Jams organized by GDSC, learning about generative AI models and their applications in real-world problems.
- GDSC Solution Challenge 2024 - 17-Hour Hackathon:** Participated in the GDSC Solution Challenge 2024, a 17-hour hackathon where we created 'HappyEat,' a website providing information about eating disorders and helping individuals recognize signs of these disorders.
- IEEE IC HACK Phase I - IEEE:** Participated in IEEE IC HACK Phase I by IEEE, contributing to innovative solutions with a team of developers in a highly competitive environment.

EXTRACURRICULAR ACTIVITIES

- : GDG(Google Developer Groups) club member
- : IEEE Student Member