

NALLAMILLI SHANMUKA LEELA KARTHIKEYA REDDY

Vellore Institute of Technology, Vellore

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EDUCATION

Vellore Institute of Technology, Vellore

M. Tech - (Integrated) Software Engineering - CGPA - 8.83

2021 - Present

Vellore, Tamil Nadu

G.B.R Junior College, Anaparthi

Intermediate - Maths, Physics, Chemistry - Percentage - 94.0%

2019 - 2021

Anaparthi, Andhra Pradesh

Narayana High School, Anaparthi

10th - CGPA - 10.0

2018 - 2019

Anaparthi, Andhra Pradesh

PROJECTS

Movie Review System | HTML, CSS, React, NodeJS, Express, MongoDB

- Built a modern web app for users to review, rate, and explore movies and TV shows, leveraging the MERN stack for seamless performance.
- Integrated TMDB API for movie data, secure authentication with JWT, and deployed on Vercel for scalability.

WanderTales - Personal Travel Journal | React, NodeJS, Express, MongoDB, Tailwind CSS

- Developed a personal travel journal web application for users to document travel experiences with location tagging, date tracking, and favorite marking features.
- Implemented secure authentication with JWT, travel story management, search and filter functionality, and a responsive UI using React and Tailwind CSS.

Personal Budget Tracker | Python, Pandas, Matplotlib, Tkinter, Excel (xlsxwriter, openpyxl)

- Built a modern, dark-themed GUI application to manage income and expenses with monthly filtering, manual data entry, and real-time visual analytics using pie/bar charts.
- Enabled Excel integration for seamless data handling and implemented a user-friendly, scrollable UI with intuitive emoji-labeled inputs.

Handwritten Character Recognition System | Python, CNN, TensorFlow/Keras, Machine Learning

- Developed a CNN-based automated recognition system in Python for recognizing handwritten characters with high accuracy.
- Implemented image preprocessing, trained on datasets like MNIST, applied unit testing on models for validation and performance evaluation and optimized with TensorFlow/Keras for reliable classification.

TECHNICAL SKILLS

Languages: JAVA, Python, C, C++, SQL

Technologies/Frameworks: Machine Learning, numpy, pandas, matplotlib, scikit-learn, JavaScript, MERN

Developer Tools: VS Code, Jupyter Notebook, GitHub.

Course Work: Data Structures and Algorithms, Database Management Systems, Statistics, Operating Systems, Computer Networks, System Design, Software Engineering, Cloud Computing, Object Oriented Programming.

CERTIFICATIONS

- JAVA - Full Stack Developer - Imarticus
- JAVA - Mastering the Fundamentals -Scaler

LANGUAGES KNOWN

- Telugu, English, Hindi