Ganji Saketh Sai

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Education

(SIET) Sreyas Institute of Engineering and Technology | 9.27　　　　Jul 2022 - Present

Bachelor of Technology (BTech) | Computer Science & Engineering (CSE)

Narayana Junior College | 96%　　　　Jun 2020 - Jun 2022

Intermediate (MPC) | State Board of Technical Education and Training

Little Flower School | 83%　　　　Apr 2019 - Apr 2020

10th Class | Central Board of Secondary Education (CBSE)

Skills

Languages: Java, Core Java, Python, C, JavaScript

Core Concepts: Web Technologies, Computer Networks, Cloud Computing, Operating Systems, Full Stack Development, AWS

Database: MySQL, MongoDB

Projects

Online Learning Platform　　　　Aug 2024

Designed and developed a scalable online learning platform enabling students and instructors to access and manage educational content such as video lectures, quizzes, and study materials. Implemented secure user authentication using JWT, adaptive learning paths, and real-time analytics dashboards for student performance tracking. Integrated React for dynamic UI and MongoDB/PostgreSQL for efficient backend data management.
Technologies: Python, Django, HTML, CSS, JavaScript, React.js, Node.js, MongoDB, PostgreSQL, Docker

Automated Waste Classification Using CNN　　　　Jun 2025

Developed a Convolutional Neural Network (CNN) model to classify waste images into categories such as plastic, metal, paper, and glass using a publicly available Kaggle dataset. Applied data preprocessing and augmentation techniques to improve model performance and generalization. Achieved high accuracy through iterative training and evaluation on Google Colab.
Technologies: Python, TensorFlow, OpenCV, NumPy

Personalized Music Recommendation System　　　　Jun 2025

Developed a machine learning-based content recommendation system that suggests music tracks using TF-IDF vectorization and cosine similarity. Processed song metadata to extract feature vectors and generate personalized results. Built an interactive frontend using Streamlit for real-time recommendations and user input handling.
Technologies: Python, Machine Learning

Full Stack Portfolio Web Application　　　　Jun 2025

Developed a full-stack portfolio web application to showcase personal and academic projects with an interactive and responsive UI. Implemented dynamic project management features including add/delete functionality, smooth navigation using React Router, and MongoDB-backed storage with Mongoose schema design. Designed a clean, responsive interface with animations and transitions for improved user experience. Future scope includes user authentication and live deployment.
Technologies: React.js, Node.js, Express.js, MongoDB, CSS

Coding Profiles

Hackerrank: sakethganji08　　　Codeforces: saketh_ganji　　　Codechef: saketh17　　　Leetcode: saketh_ganji

Certifications

DSA -Smart Interviews　　　　Feb 2025 - Jun 2025

Cloud Computing - NPTEL　　　　Dec 2024 - May 2025