Solanki Jaini Jaydeepkumar

✉ 23cs096@charusat.edu.in   # 7228990654   in jaini-solanki-199143291   ⬤ JainiSolanki

Education

B.Tech	**Charotar University of Science and Technology**, Computer Science & Engineering • **SGPA:**Sem1:9.17/10.0,Sem2:9.45/10.0,Sem3:8.96/10.0	2023 – 2027
Higher Secondary	**GNFC Narmada Vidyalaya**, Science Stream , Result = 92 %ile	
Secondary	**Sabari Vidya Peedom English Medium School**, Bharuch, Result = 93.39 %ile	

Projects

AI-Based Network Intrusion Detection System (NIDS)   2025

Developed a cybersecurity solution using Snort and Python for detecting network intrusions. Trained a Logistic Regression model on Snort logs converted to CSV and the NSL-KDD dataset. Implemented feature scaling and hyperparameter tuning to improve accuracy. Built a Flask UI with a /predict API endpoint and deployed the backend on AWS Lambda. Tested on VMware with Ubuntu (Snort) & Kali Linux (attacks).

Job Placement & Recruiting Platform (Amazon RDS)   2025

Designed and implemented a mini-database using Amazon RDS. Created five relational tables for job seekers, employers, job listings, applications, and interviews. Executed ten queries covering key DBMS concepts (joins, aggregations, subqueries, etc.). Documented the features, use cases, and advantages of Amazon RDS in a presentation.

Tour & Travel Management Website   2024

Developed a tour and travel management system for booking air tickets. Created a sign-in & sign-up system for user authentication. Built the frontend using HTML, CSS, and JavaScript. Exploring .NET for backend integration and planning to extend booking options.

Online Bookstore System (OOP in Python)   2025

Implemented OOP concepts (classes, inheritance, polymorphism, encapsulation). Integrated a SQLite database to manage book inventory, customer details, and orders. Added file handling for importing/exporting book and order data. Designed a menu-driven interface and applied exception handling for database operations.

AI Trip Planner Website   2025

Developed an AI-powered trip planning website using React (Vite). Implemented an AI-based recommendation system for personalized travel itineraries. Integrated Tidio chatbot for real-time customer support and interactive assistance. Designed an intuitive UI/UX for seamless navigation and travel customization. Ensured efficient performance and responsiveness for enhanced user experience.

Static Website Hosting using Amazon S3   2023

Deployed a static website using Amazon S3 for cost-effective and scalable hosting. Configured S3 bucket policies and permissions for secure public access. Integrated CloudFront for enhanced performance and SSL encryption. Optimized website caching for faster load times and improved user experience.

Technologies

Languages: C, C++, Java, Python, SQL, JavaScript, HTML & CSS

Web Technologies: React (Vite), HTML, CSS, JavaScript

Database: SQL, Amazon RDS

Cloud & DevOps: AWS Lambda, Amazon RDS, AWS Cloud Clubs

Cybersecurity & Networking: Snort, Network Intrusion Detection System (NIDS)

AI & ML: Logistic Regression, Feature Scaling, Hyperparameter Tuning

OtherTools: JupyterNotebook,VMware(Ubuntu&KaliLinux),TidioChatbot

Certifications

NPTEL - Data Structures and Algorithms   2024

NPTEL - Design and Analysis of Algorithms   2025

AWS Cloud Practitioner   2023
- FromAWSTraining&Certifications
                                                                                   2025

AWS Academy Graduate - AWS Academy Cloud Foundations