Nitin Shriram S

✉ 125156081@sastra.ac.in

📞 7010022574

🔗 Linkedin - NitinShriram

🔗 Github - NitinShriram

🔗 Portfolio Website - NitinShriram

Profile

A highly motivated B.Tech Computer Science Engineering (with Artificial Intelligence and Data Science) student at SASTRA Deemed University with a passion for technology and a good foundation in programming, seeking opportunities to apply my skills and knowledge in real-world projects. Possess excellent communication skills and have an eye for detail. I thrive in a collaborative team environment. Flexible to work in any environment as required.

Education

BTech Computer Science Engineering with Artificial Intelligence and Data Science
SASTRA University

2021 – Present

CGPA - 9.3723

Class XII
Shaanthi Schools

2021

Percentage - 96.5%

Class X
Shaanthi Schools

2019

Percentage - 95%

Skills

Programming Languages: C++ │ JAVA │ Python,

Web Development: HTML │ CSS │ Node │ React,

Database: SQL

Responsibilities

INSIDERS (Team lead)

2022 – Present

- Head of the official dance team of SASTRA.
- Achievements: Choreonite winners of NIT-Trichy - 2023, Runner-Ups in NIT-K Surathkal, CMC and MMC.
- Efficiently coordinated and executed major events for **Kuruksastra**, the official cultural festival of SASTRA University.

Certificates

- Introduction to Back-End Development - Meta (Coursera)
- GUVI Python

Projects

Ransomware Detection System
Github

- Developed a hybrid ransomware detection system (RDS) leveraging ensemble learning methods to classify 28 ransomware families in cryptocurrency transactions using the Bitcoin Heist dataset.
- Data pre-processing includes Label encoding, Address encoding, Normalization, MinMax scaling, SMOTE, Random underSampler, Outlier removal, new features construction, and feature selection.
- Implemented a **Signature-Based RDS** framework (Stage 1) utilizing supervised learning methods to identify known ransomware variants accurately. Methods used: Decision tree, Random Forest, XGBoost, MLP classifier.
- Designed an **Anomaly-Based RDS** framework (Stage 2) to detect zero-day ransomware strains by analyzing potentially suspicious occurrences categorized as "White" instances.

Notes Maker App with Voice Support
Live Link - Frontend Github - Backend Github

- Developed a web application using the **MERN stack** with integrated voice recognition via the **react-speech-recognition** library, allowing hands-free task management.
- The app features an intuitive interface for creating, updating, and organizing tasks, with a responsive design.

Chat Application - MERN

- Developed a MERN stack chat application supporting real-time one-on-one and group chats using Socket.IO.
- Implemented user authentication and authorization with JWT tokens, allowing login and signup via unique Gmail accounts.
- Designed a responsive UI with Chakra UI, ensuring seamless use across various devices.
- Enabled users to upload profile pictures during signup, utilizing Cloudinary for image storage and management.
- Added functionality for users to search for existing group chats and create new ones.