

# E. Sai Thoran

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## "Tell me and I forget, teach me and I remember, involve me and I learn"

I believe that an individual upskill in an organization by involving with a well-organized team and learn about objectives with complete knowledge. I would like to see myself involved in the growth of an organization, where I can use my skills to the maximum.

## Education

<b>SRM Institute of Science and Technology, Chennai</b> B. Tech in Computer Science and Engineering with specialization in cyber security	<b>Sep 2021– May 2025</b> <b>8.54 CGPA</b>
<b>Narayana Junior College, Hyderabad</b> 12 <sup>th</sup> Intermediate	<b>Jun 2019 - May 2021</b> <b>93.6%</b>
<b>Narayana e-Techno School, Hyderabad</b> 10th High School	<b>Jun 2018 - May 2019</b> <b>9.3 CGPA</b>

## Skills

C/C++ | Python | PHP | SEPM

Operating Systems | Penetration Testing | Cryptography | Data Analysis | SQL | DevOps | Cloud Security

Frontend | HTML/CSS | UI/UX | JavaScript | Angular

## Projects

<b>JARVIS for System</b>   <a href="#">Link</a> LLM   Python   (TensorFlow, Torch, pandas, selenium)	<b>Currently Working</b> Artificial Intelligence
<ul style="list-style-type: none"><li>• Inspired by movies and created a voice interactive Jarvis-AI using Python, integrating it with large language model (LLM), enabled it with natural language understanding and responding.</li><li>• Delivers conversational and operational response accordingly, also performance actions like web browsing, real-time data retrieval and schedules by ensuring efficient task execution.</li><li>• Currently developing phase-2 on future enhancements like integrating new features and improving intent and entity actions.</li></ul>	
<b>Phishing Detection Tool</b>   <a href="#">Link</a> Javascript   CSS & HTML   Python   AI & ML	<b>Jan 2025 - Apr 2025</b> AI Chrome extension
<ul style="list-style-type: none"><li>• Developed Real time Chrome extension that employs machine learning algorithm Random Forest to detect and mitigate phishing websites. The AI system achieved 93% accuracy.</li><li>• The extension captures DOM structures and multi patterns from website properties, which include URL traits, web traffic, JavaScript activities, SSL and ports for threat identification.</li></ul>	
<b>Cryptography with Steganography Web Tool</b>   <a href="#">Link</a> Java Script   CSS   Python   Flask   pandas   cryptography   steganography	<b>Aug 2024 - Oct 2024</b> Web Development
<ul style="list-style-type: none"><li>• Developed a website that encrypts and conceals data in media files (Image, Video, Audio, txt-file) using advanced cryptographic and steganographic techniques, aim to withstand quantum computers.</li><li>• Designed cryptographic algorithms AES, 3DES, and Blowfish in parallel-layered encrypt and decrypt strategy that enhances data security between sender and receiver.</li><li>• Preprocess data, encrypting, embedding, de-embedding, and decrypting from media files without data loss and evaluated its performance with 100% data retrieval.</li></ul>	

## Emotion Detection from Voice | [Link](#)

Dec 2023 - Jan 2024

TKinter | ML | Python

Human Computer Interaction & ML

- Developed a sophisticated Speech Emotion Recognition (SER) system utilizing LSTM neural network architecture, trained it on the emotional speech dataset aiming to improve human computer interaction (HCI).
- This model effectively evaluates acoustic features such as pitch, speech rate, vocal intensity, patterns and spectral attributes to accurately interpret intricate emotional states.
- Achieved an accuracy rate of 91% in identifying primary categories, like happiness, sadness, anger, fear, neutral.

## Restaurant Management System | [Link](#)

Apr 2023 - Jun 2023

JavaScript | CSS | HTML | PHP | SQL

Web Development

- Developed and implemented a comprehensive website with UI/UX frontend and backend.
- Conducted comparative analysis of multiple Backend codes, to find out the most Time and Space optimal code.
- Implemented with user facilities like creating accounts, finding items, managing cart, saving inventory, self-order at dining, easy navigation and payment.

## Conferences and Workshops

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### NVIDIA AI Workshop

(NVIDIA)

Participated in NVIDIA prompt engineering workshop where I learned to craft and optimize prompts for AI models, and also gained skill on how to improve AI ability to generate accurate and solving real-world challenges.

### American Institute of Physics Conference | [Link](#)

May 2025

(AIP)

Successfully Attended and Published Major Project Work “Realtime Phishing Website Detection Using Catboost Classifier” in AIP International Conference.

### Spinger International Conference | [Link](#)

March 2025

(Spinger)

Successfully Attended and Published Minor Project Work “A Hybrid Approach to Secure Data in Multimedia Files Using Cryptography and steganography” in Spinger International Conference.

## Awards

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C, C++, Python Programmer

Nov 2024

### Hacker Rank

- Earned a Gold Badge on Hacker Rank by solving coding challenges in C, C++ and Python.

### Credly badges

- AWS Academy Graduate - AWS Academy Machine Learning Foundations | [Link](#)
- AWS Academy Graduate – AWS Academy Cloud Developer | [Link](#)

## Certifications

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### Deloitte Technology Job Simulation | [Link](#)

June 2025

Description: Learned how to handle code merging of different tasks and designed Software project planning.

### IBM Cyber-Security Analyst | [Link](#)

March 2024

Description: Learned Dynamic cyber workforce and tools for Data protection and Endpoint protection.

### Google Cloud Developer | [Link](#)

Nov 2023

Description: Application deployment environments on Google Cloud App Engine, Google Kubernetes Engine, and Compute Engine.

### AWS cloud Technical Essentials | [Link](#)

Oct 2023

Description: Understood AWS database and storage, RDS, Amazon DynamoDB, and Amazon S3, Amazon EC2, AWS Lambda, and Amazon ECS.