

# Surya Tej Pattem

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## OBJECTIVE

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Highly motivated Cybersecurity enthusiast with hands-on experience in developing innovative security-focused projects. Enthusiast in designing, implementing, and analyzing secure systems to address real-world threats. Passionate about leveraging advanced technologies to tackle complex cybersecurity challenges.

## EDUCATION

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### University of New Haven

*Master of Science in Data Science*

August 2024 – May 2026 (Expected)

Cumulative GPA: 4.0/4.0

### Jawaharlal Nehru Technological University Kakinada

*Bachelor of Technology in Computer Science and Engineering*

January 2020 – May 2024

GPA: 7.92/10

## CERTIFICATIONS & TRAININGS

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- Google Cybersecurity, **Coursera**
- Advent of Cyber 2024, **Try Hack Me**
- Certified in Cybersecurity, **ISC2**
- Cybersecurity Essentials, **Cisco Networking Academy**
- Introduction to Cybersecurity, **Cisco Networking Academy**

## PROJECTS

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### Social Engineering Simulator

*Tech Stack:* Python, Flask, smtplib, MySQL

- Developed a Python-based platform to simulate phishing attacks and track user responses, integrating a MySQL database to store user and scenario data.
- Built a Flask-based web dashboard to visualize results and automated phishing email delivery using Gmail's SMTP server to enhance cybersecurity awareness.

### Automated Data Analysis and Visualization Tool

*Tech Stack:* Python, Pandas, Matplotlib, Seaborn

- Built a Python-based tool to automate the process of data loading, exploratory data analysis (EDA), data cleaning, and visualization for CSV and Excel datasets.

### Multi-Cipher Encryption and Decryption Tool

*Tech Stack:* Python, String Manipulation, File I/O

- Developed a tool to encrypt and decrypt text or files using multiple cipher algorithms including Caesar, Vigenère, Substitution, and Reversing ciphers.

## WORK EXPERIENCE

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### Data Valley India Pvt Ltd (APSCHE)

February 2024 – April 2024

*Data Science and Machine Learning – Virtual Internship*

- Worked on practical applications of data analysis, predictive modeling, and algorithm development.
- Developed skills in data handling, preprocessing, and using ML models for real-world problem-solving.

### IBM Skills Build (AICTE)

June 2023 - July 2023

*Front End Development – Virtual Internship*

- Gained experience in web technologies, including HTML, CSS, and JavaScript.
- Developed foundational skills in building responsive and user-friendly web interfaces.

### YHills

May 2023 - June 2023

*Web Development – Virtual Internship*

- Gained experience in web technologies, including HTML, CSS, and JavaScript.
- Developed foundational skills in building responsive and user-friendly web interfaces.

## INVOLVEMENTS & ACHIEVEMENTS

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- Campus Coordinator for Google AI Campus Fest, 2024
- Campus Coordinator for Block Chain Technology Workshop, 2023
- District level Participation in Fencing Championship, 2020