

Chaithra Thanugula

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EDUCATION

2022 - present	Chaitanya Bharathi Institute of Technology, Hyderabad Bachelor of Engineering in Computer science	(CGPA: 9.16/10.0)
2020	Sri Chaithanya Junior College, Hyderabad Class 12th, State Board	(98.6 percent)
2018	Tejaswi High School, Warangal Class 10th, SSC Board	(CGPA: 10.0/10.0)

PROJECTS

Portfolio Website

[view it here](#)

- Created a personal portfolio website using HTML, CSS, and JavaScript to showcase my projects, skills, and experience. Deployed it using GitHub Pages for easy online access and professional presentation.

Profit Predictor: Advanced Sales Forecasting with Machine Learning

[view it here](#)

- Developed a predictive model using Random Forest Regressor to forecast sales, achieving 85% accuracy. Responsibilities included data preprocessing, model development, and performance evaluation using Python and scikit-learn.

Secure File Transfer System

[view it here](#)

- Developed a Python-based encrypted file transfer tool using AES-256 and RSA with GUI and web interfaces. Features file integrity checks and supports all file types.

Ethical Hacking and Vulnerability Analysis

[view reports on github](#)

- Demonstrated proficiency in web application security by identifying and reporting 15+ vulnerabilities, including XSS and SQLi, using Testfire.net and Juice Shop, producing detailed reports.

Digital Forensics and Cybercrime Investigation

(Currently working on)

- Conducted forensic analysis on digital media, creating detailed forensic reports. Presented findings in a simulated legal environment. Studied and explained the basics of cybercrime investigation, GDPR, HIPAA, and data protection laws, and analyzed relevant case studies.

CERTIFICATIONS

- Earned a certification in Cybersecurity and Ethical hacking from Rinex Educational Technologies.(as part of internship)
- Earned a certification in Career Essentials in Generative AI by Microsoft and LinkedIn.
- Earned a certification in Artificial Intelligence and Machine Learning by YBI Foundation
- Earned a certification in Java foundation form Infosys Springboard.

SKILLS

- Programming Languages:** Python, Java(basic)
- Technical Skills:** HTML, CSS, JavaScript(basic), Node.js(basic), React.js(basic), Ethical Hacking, VAPT
- Operating Systems:** Linux, Windows
- Version Control:** Git, GitHub
- Course:** Data Structures, OOPs, Database Management System, Operating Systems, Ethical Hacking, Fundamentals of Cybersecurity
- Soft Skills:** Communication, Teamwork, Leadership, Public Speaking, Event Management

ACADEMIC ACHIEVEMENTS

- Joint Secretary (SATARC-Cybersecurity Club of CBIT)** [February 2025-Pre]
- Executive Board Head for Documentation (NexIoT CLUB)** [November 2024-Pre]

- **Executive Board Member (SATARC-Cybersecurity Club of CBIT)** [August 2024-January 2025]
- **Junior Executive Board Member (IEEE STUDENT CHAPTER)** [February 2023-2024]
SHRUTHI 2024
 - Directed and managed logistics for a series of community outreach programs, resulting in a 25% rise in volunteer participation and a 30% increase in local business partnerships.
- **Silver Medallist, Spelling Bee Competition** [2015]
 - Achieved second place in a highly competitive state-level contest, showcasing advanced language and memory skills.
- Recognized for outstanding performance and mastery in abacus skills up to Level 12.
- Achieved a top percentile score of 93% in Joint Entrance Examination conducted by NTA among over 500,000 students nationwide.
- Ranked among the top 0.25% out of 216,000 students in Engineering, Agricultural, and Medical Common Entrance Test, competitive exam.