

Nallamilli Satya Sai Kartheek Reddy

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Experience

Kitchen Helper (Part-time) | Lazeez Foods

Sep 2023 - Dec 2023

- Maintained cleanliness and organization of kitchen area, washing dishes, utensils, and cookware.
- Disposed of waste properly and maintained sanitary conditions to meet health code regulations.

Software Tester (Remote, Freelance) | Candywriter LLC

Jan 2023

- Conducted extensive testing for BitLife to ensure smooth gameplay, identifying and resolving critical bugs and glitches.
- Collaborated with cross-functional teams, including developers and designers, to streamline the debugging and quality assurance process.

Curriculum Planner and Game Designer (Remote) | Team Everest

Sep 2020 - Nov 2023

- Creating and planning story structures for children of the age group of 9 to 12 years
- Create simple and complex puzzles
- Creating simple, yet enjoyable games with Unity C#

Education

MSc Advanced Cyber Security | Cardiff Metropolitan University

Sep 2024 - 2025

- Hands-on experience with penetration testing and forensic investigations.
- Understanding encryption techniques to secure digital communication.
- Designing policies and frameworks aligned with GDPR, ISO27701, and other compliance standards.

BTech Computer Science and Engineering | LPU, Punjab

Sep 2020 - May 2024

- Understanding and mitigating cyber threats and unauthorized access.
- Securing data transmission and safeguarding information systems.
- Detecting, analyzing, and responding to cyber threats.
- Exploring decentralized systems and developing secure, automated contract solutions.

Certifications

IBM Cloud Essentials (CC0103EN) | edX

Jun 2023

- Understanding cloud computing models (IaaS, PaaS, SaaS) and deployment types
- Exploring core IBM Cloud services, including compute, storage, networking, and security.
- Learning to navigate the IBM Cloud console and manage cloud resources effectively.

Introduction to Cybersecurity Essentials | Coursera and IBM

Mar 2023

- Understanding fundamental cybersecurity concepts, including threat identification, risk management, and security frameworks.
- Exploring best practices for protecting data, networks, and systems against cyber threats.
- Learning about cybersecurity tools and their applications in real-world scenarios.

Projects

Stegocrypt | *Python, LSB, AES, RSA (Work in Progress)*

Jun 2024

- Developed a versatile tool integrating encryption and steganography to secure sensitive data.
- Enabled encryption and decryption for various file types, ensuring data confidentiality and integrity.
- RSA encryption functionality is currently under development to expand the tool's cryptographic capabilities.

Is My File Safe? | *Python and Turtle, API by Virus Total*

Sep 2023

- Designed to assess the safety of files by comparing them against a database of known threat signatures.
- Provided real-time insights into file security, enabling users to identify potential malicious files efficiently.
- Utilized an intuitive interface for ease of use, making the application accessible to users with varying technical expertise.

And many more projects can be found at my [GitHub](#)



Publications

Are Electric Vehicles Really the Future?

Mar 2024

- Conducted an in-depth analysis of the sustainability of electric vehicles (EVs) and their environmental impact.
- Explored the lifecycle of EVs, including production, usage, and disposal, to assess their true ecological footprint.
- Evaluated the role of renewable energy and battery technologies in enhancing EV sustainability.

Achievements

TryHackMe.com Global Ranking and Achievements

- Successfully completed 100+ hacking rooms and winner in multiple King of the Hill events.
- Maintained a global ranking of approximately 30,000.

Skills

Technical

Programming

- Advanced - C/C++, Dart, C#
- Intermediate - Python
- Novice - Java

Tools

- Wireshark
- Metasploit Framework
- Volatility
- Ghidra
- YARA

Core

- Problem-Solving
- Critical Thinking
- Peer communication
- Resource and Time Management
- Team Collaboration
- Adaptability to newer technologies
- Project Management
- Risk Management and Threat Analysis
- Ethical Judgment
- Leadership