

### EDUCATION

**Purdue University, West Lafayette:** M.S – Computer Graphics Technology.  
**Koneru Lakshmaiah University, Telangana, India:** B. Tech – C.S.E, GPA: 9.4.

08/2023 - Present  
07/2019 - 05/2023

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### INDUSTRY PROJECTS

1. Iconic Engine: Developing a VR spatial arrangement game in metaverse. Current
1. A specialized VR game utilizing Unity3D, integrating sensory-friendly design elements, spatial organization challenges, and interactive tasks to promote cognitive engagement and enhance spatial cognition for individuals with autism.
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### PROJECT

1. NFT Market: A NFT marketplace project built at ETHERNALS hackathon competition. 02/2022- 04/2022
1. Developed web 3.0 application on ReactJs.
2. Utilized crypto wallets to sign in into application.
2. Crime analysis: Visualization of crime rate in different states, Prediction, Exploratory Data analysis  
Data Cleaning operations. 02/2022- 02/2022
3. Image Steganography: Steered team of 3 to program an application to embed messages into images. 04/2022- 04/2022
4. Question Paper Management System: Proposed digitalization of tests during covid and liaised with 4  
professors and 125 students and coordinated with 3 teammates and designed an online test platform. 09/2021- 10/2021
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### INTERNSHIP EXPERIENCE

#### AICTE INTERN

- Part of AICTE: Cyber Security and Blue Prism RPA Training. 08/2021- 11/2021
1. Implemented encryption and decryption algorithms helped in mitigating 30% of potential security threats.
2. Analyzed and configured sockets and Ip configuration with wire shark.
3. Conducted thorough penetration testing and vulnerability assessments on network infrastructures and web applications using Kali Linux tools to enhance security measures by 20%.
4. Increased efficiency by 30% through configuring bots for wealth management system.

#### SKILL DZIRE INTERN

- Part of skill Dzire: AI Generative and Discriminative Model Training. 05/2021- 07/2021
1. Executed Generative Adversarial Networks (GANs) and Convolutional Neural Networks (CNNs) to clear noise from images by 20% and generate new images.
2. Computed probability values for models and generated images using generative modelling libraries.
3. Trained Discriminative Models to accurately classify and categorize data, employed ML techniques including classification, achieving 15% improvements in predictive accuracy and performance.
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### PUBLICATIONS

Relevance of Computer Forensics in Security | Journal name: International Journal of All Research Education and Scientific Methods (IJARESM), Impact Factor: 7.429.

1. Audited and researched forensic and security tools used and available in industry for computer forensics.
2. Concluded proper use cases for each tool. Publication date: April 29, 2023
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### CERTIFICATIONS

1. Cyber Security, Palo Alto.
2. Microsoft Certified: Azure Fundamentals.
3. Introduction to Packet Tracer-CISCO NETWORKING ACADEMY.
4. Automation Anywhere Certified Advanced RPA Professional.
5. Certified Ethical Hacker, CEH Certified.
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### TECHNICAL SKILLS

**PROGRAMMING:** C, C++, Python, OpenGL, JAVA, HTML, CSS, Solidity, Graphics Programming, OpenGL, Shader Development (GLSL), 3D Rendering Techniques, Virtual Reality (VR) Development, Game Engine Development, Mathematics for Computer Graphics.

**OPERATING SYSTEM:** Windows, MacOS, Linux.

**SOFTWARES:** MSOffice, Adobe After Effects, Photoshop, Visual Studio, Unity, Unreal Engine.