Danvi Sai Sapthasw Reddy, Simhadri

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EDUCATION

Purdue University   **West Lafayette, Indiana**
M.S. in Computer Graphics Technology   *Aug 2023 – May 2025*
   o   **Concentrations:** Graphics Programming/Game Development, **GPA:** 4.00/4.00

Koneru Lakshmaiah University   **Telangana, India**
B.Tech. in Computer Science and Engineering   *Aug 2019 – May 2023*
   o   **Concentrations:** Cyber Security and Blockchain, **GPA:** 9.40/10.00

EXPERIENCE

AICTE   **Telangana, India**
Cyber Security Engineering Intern   *Aug 2021 – Nov 2021*
- Part of AICTE: Cyber Security and Blue Prism RPA Training
- Implemented encryption and decryption algorithms helped in mitigating 30% of potential security threats
- Conducted thorough penetration testing and vulnerability assessments on network infrastructures and web applications using Kali Linux tools to enhance security measures by 20%
- Increased efficiency by 30% through configuring bots for wealth management system
- Collaborated effectively with team members to ensure comprehensive security measures
- Communicated findings and recommendations to team members in a clear and concise manner

SKILL DZIRE   **Telangana, India**
AI Developer Intern   *May 2021 – Jul 2021*
- Part of skill Dzire: AI Generative and Discriminative Model Training
- Executed Generative Adversarial Networks (GANs) and Convolutional Neural Networks (CNNs) to clear noise from images by 20% and generate new images
- Computed probability values for models and generated images using generative modelling libraries
- Trained Discriminative Models to accurately classify and categorize data, employed ML techniques including classification, achieving 15% improvements in predictive accuracy and performance
- Stayed updated with latest advancements in generative modeling and AI technologies
- Engaged in ongoing learning to improve skills and adapt to evolving industry trends

PROJECTS

Industry Projects   **West Lafayette, Indiana**
Iconic Engine: Developed a VR spatial arrangement game in metaverse   *Aug 2023 – Dec 2023*
Team Member Developer
- 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

Game Engine   **West Lafayette, Indiana**
Developer   *Aug 2023 – Dec 2023*
- Development of a game engine in C++ with OpenGL
- Programmed A star, BSP tree and FPS camera into engine
- Created Frame Buffers to handle multiple mesh and texture loading

Generative AI Canvas Editor   **West Lafayette, Indiana**
Backend developer   *Aug 2023 – Dec 2023*
- Programmed backend for editor using python flask

PUBLICATION

Relevance of Computer Forensics in Security | Journal name: International Journal of All Research Education and Scientific Methods (IJARESM), *Impact Factor: 7.429*
- Audited and researched forensic and security tools used and available in industry for computer forensics
- Concluded proper use cases for each tool   *Publication date: April 29, 2023*

SKILLS

PROGRAMMING: C, C++, Python, OpenGL, Graphics Programming, Shader Development (GLSL), 3D Rendering Techniques, Virtual Reality (VR) Development, Game Engine Development, Mathematics for Computer Graphics, Scripting (C#, Python), SAS, JAVA, HTML, CSS, Solidity
OPERATING SYSTEM: Windows, MacOS, Linux
SOFTWARES: Visual Studio, Unity, Unreal Engine, MSOffice, Adobe After Effects, Photoshop