Vamsi Munjuluri

Chicago, IL | vamsi.munjuluri@gmail.com | 617-953-8015 | [Linkedin](#) | [Github](#) | [Portfolio](#)

WORK EXPERIENCE

American Institute of Graphic Arts - Chicago Aug 2024 - Present
Front-End Developer - Volunteer *Chicago, IL*
- Collaborating with the graphic designer and leadership team to modernize the WordPress site, identifying technical limitations and proposing feasible solutions to improve usability and performance.
- Developing and implementing a ticketing system for offline events, aimed at streamlining registrations and increasing engagement, with an expected launch in early 2025.
- Contributing to the revamp of site architecture and creation of new pages, focusing on enhancing user experience and aligning with the organization's design vision.

SkyIT Services Jul 2024 – Oct 2024
Front-End Developer Intern *Remote*
- Developed and optimized user interfaces for fleet management solutions using React and Next.js, improving page load times by **30%**, resulting in smoother user experiences for over 5,000 daily users.
- Collaborated with a team of 5 developers and designers to design and implement a real-time fleet tracking dashboard, increasing operational efficiency for clients by **20%**.
- Built and deployed reusable UI components, reducing development time by **25%** across multiple projects and ensuring code consistency.

Cognizant Technology Solutions Dec 2021 - Apr 2022
Software Engineer *Hyderabad, India*
- Developed a microservices-based application for internal resource management using Java, Spring Boot, and Angular, improving scalability and efficiency.
- Implemented CI/CD pipelines using AWS CodePipeline, automating build and deployment processes, which reduced manual deployment time by 30%.
- Optimized deployments using Docker and AWS, enhancing system reliability and reducing downtime.
- Collaborated in an Agile team to deliver features on time, conducting extensive testing to improve system stability by 40%.

TagTeam Studios Apr 2021 - Nov 2021
Freelance Front-End Developer *Hyderabad, India*
- **Designed** and **developed** a responsive portfolio website using **React**, effectively **showcasing** the studio's photography and videography services.
- **Collaborated** with the founder and designer to **streamline** the user experience, leading to an estimated **25% increase in client inquiries.**
- **Implemented SEO strategies**, including optimized metadata and faster page loads, resulting in a **40% improvement in site visibility** and local search rankings.

EDUCATION

University of Illinois at Chicago Chicago, USA
Master of Science in Computer Science *May 2024*
- Coursework: UI Design and Programming, Computer Algorithms I,Virtual Reality,Empirical Methods in HCC.

CMR Institute of Technology Hyderabad, India
Bachelor of Technology in Computer Science *May 2021*

TECHNICAL SKILLS

Languages/Database: Python(NumPy, pandas, openCV, Matplotlib, SciPy, scikit-learn, PyTorch), C# for Unity, Java, SQL, PostgreSQL
Web Technologies: HTML5, Tailwind CSS, Nextjs, JavaScript, React, REST
Tools: Adobe Creative Cloud, Figma, Git, Unity, Jira.
Data and Cloud Technologies: AWS, Amazon S3, Docker.

PROJECTS

Immersive VR Astronomy Application for CAVE [Git Repo](#) May 2024
- Developed an immersive VR application using Unity and C# to explore 250,000+ stars and 100+ constellations, integrating real astronomical data for accurate visualization, designing an intuitive user interface with customizable navigation and interactive elements, and optimizing rendering performance for a seamless educational experience.

Live Facial Recognition and Emotion Detection System [Git Repo](#) May 2024
- Developed a real-time recognition system using TensorFlow, OpenCV, and CNNs, improving model accuracy and optimizing for real-time performance.

Low Light Image Enhancement [Git Repo](#) Nov 2023
- Enhanced clarity of low-light images using CNN architecture and histogram equalization, achieving a significant increase in accuracy and reduced processing time.

Chicago Crime Rate Analysis [Git Repo](#) Dec 2022
- Analyzed 250,000+ crime records with classification and clustering models, achieving over 82% accuracy and providing actionable insights through data visualizations.