

Yajat Narayan

Madison, WI — 847-989-0521 — yajatnarayan@gmail.com

Education

University of Wisconsin–Madison

08/2022–10/2025

Major: Computer Science Minor: Maths

Technical Profile

Certifications: AWS Cloud Practitioner, Network Plus, Security Plus

Programming Languages: Python, Java, GoLang, Swift, C, Assembly, LaTeX, JavaScript, Julia, React, MySQL, SQL

Tools & Technologies: AWS, Docker, Git, PyCharm, Figma, Eclipse, Linear, VSCode

Experience

Holos.io, Madison, WI

08/2025–Present

Software Developer - **VR Development, Unity, Swift, Figma Prototyping, UX Testing**

- Collaborating with the U.S. Air Force to develop VR training software to streamline the training process and minimize risk of damage to sensitive equipment.
- Contributing to a contract valued at \$15 million through studies of the target audience, iterative prototyping, and testing to align with operational requirements.
- Boosted operational training efficiency by 35% through user-centric simulation refinement.

Moon Bar, Madison, WI

09/2025–10/2025

Web Developer - **JavaScript, HTML/CSS, SEO, Analytics, Figma**

- Designed and developed an interactive website using JavaScript and modern web technologies to drive online engagement.
- Integrated analytics and SEO optimization to boost visibility and drive customer interaction.
- Driving over \$50,000 in sales per month through improved digital presence and user experience.

Siemens Industry Inc, Buffalo Grove, IL

05/2025–08/2025

Software Developer - **AWS, DynamoDB, CI/CD, GoLang, Automation, Data Processing**

- Developed a decoupled CI/CD pipeline to handle 100K+ data points from AWS and DynamoDB, enabling scalable and modular deployments.
- Increased data management efficiency by 35% through optimized asynchronous data processing and automated integration workflows within AWS and DynamoDB.
- Reduced downtime by 45% via automated system validation and continuous deployment.

Greeky, Online

06/2024–08/2024

Web Developer - **React, Docker, CI/CD, JavaScript, Frontend Optimization**

- Built responsive UIs with React; deployed via Docker and CI/CD pipelines.
- Optimized code to reduce load times by 40%.
- Increased enrollment and retention, generating \$2,000 revenue in the first month.

Codivate, Online

06/2020–08/2021

Founder & Instructor - **Java, Curriculum Design, Education Management**

- Taught K-12 Java; managed 10 tutors to deliver age-appropriate education.
- Increased student retention by 30% through interactive course design.

Projects

Deep Learning for Scene Recognition with LeNet-5 - Python, PyTorch, CNN, Deep Learning, Hyperparameter Tuning

- Implemented and trained an efficient LeNet-5 CNN from scratch in PyTorch for scene recognition, achieving 29.34% accuracy on the MiniPlaces dataset of 120K images.
- Improved validation accuracy by 25.7% via hyperparameter tuning and data augmentation.
- Built optimized preprocessing pipelines for high-speed training and evaluation.

Password Security Analysis and Encryption System - Python, Cybersecurity, Encryption

- Implemented Argon1 encryption for secure password storage and authentication.
- Integrated APIs to detect compromised passwords and alert users in real time.
- Simulated cracking attacks reducing vulnerability by 80%.