

RAMAN SHRESTHA

+1 (646) 271-8496 | rshr3stha@gmail.com | ramanshrestha.com | in/rshr3stha | github/rshr3stha

Education

Southeastern Louisiana University

Hammond, LA

B.S. Computer Science, Minor in Economics — CGPA: 3.5/4.0

Expected Dec 2027

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Databases, Computer Networks, Software Engineering, AI/ML, Computer Vision

Skills & Interests

Languages: Python, TypeScript, Java, C++, C#, SQL, HTML/CSS

Frameworks: React, Next.js, ASP.NET Core

Backend & APIs: REST APIs, Entity Framework, Authentication, CRUD Operations

AI / ML: PyTorch, TensorFlow, Computer Vision, OCR, Image Retrieval

DevOps & Tools: Docker, GitHub Actions, Azure DevOps, CI/CD

Databases: SQL, Relational Database Design

Experience

Mathematics Tutor

Aug 2024 – Present

Southeastern Louisiana University

Hammond, LA

- Tutored high school and college students in Algebra, Calculus, and problem-solving methods.
- Explained mathematical concepts clearly, improving students' understanding and academic performance.
- Developed customized practice problems and study plans based on individual learning needs.
- Strengthened analytical thinking and step-by-step problem solving through structured instruction.

Projects

TaskHive — Task Management Web App

Dec 2025 – Present

- Built a full-stack task management system using React and ASP.NET Core with REST APIs and SQL database.
- Implemented authentication, task CRUD, prioritization, deadlines, and analytics dashboard.
- Designed backend architecture using Entity Framework and resolved API integration and CORS issues.

Nemophila Garden — Interactive Animated Web Scene

August 2025

- Built interactive animated environment using HTML, CSS, and JavaScript with dynamic DOM generation.
- Implemented procedural animations, depth layering, and mouse-driven parallax.
- Optimized performance for smooth rendering of 100+ animated elements.

Awards

NASA's Space Apps Challenge(2019), Dean's List @ SELU

Certificates

Google UX Design, Google's SEO, Machine Learning — Stanford Online

Leadership

Technical Project Lead, STEM Tutor Volunteer