

# Shriya Nangia

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## EDUCATION

### The University of Iowa, Iowa City, IA

B.S Computer Science - University Honors, Honors in Major  
Minors in Math, Cinema

August 2019 - May 2023

GPA: 3.34/4.0

## TECHNICAL SKILLS

**Frontend Development:** HMTL/CSS, Javascript, React, Redux

**Programming Languages:** Python, C/C++, C#, Java, Haskell, Bash, SQL

**Developer Tools:** Adobe Creative Suite, Unity Game Engine, Microsoft Office Suite, Matlab, Supabase, Stripe API, Git, GitLab, Visual Studio, CLion, IntelliJ, JIRA

## PROFESSIONAL EXPERIENCE

### Software Engineer, Frontend | Hitachi Vantara

August 2022 - Present

- Played a pivotal role in the **relaunch of the HALO platform**, a cloud-based Lab-as-a-Service solution, achieving a **60% increase in lab usage** and improved stakeholder satisfaction
- Designed, developed, and QA-tested **three co-creation labs** for **data protection** and **hybrid cloud solutions**, ensuring robust front-end implementations and seamless user interaction
- Delivered **interactive data visualization tools** on the HALO admin platform, enabling users to track usage statistics and extract actionable insights in real time
- Led end-to-end **frontend development** efforts, working closely with UX designers to create **responsive and intuitive reporting interfaces** using modern frontend technologies to enhance dashboard functionality
- Presented **webinars and technical walkthroughs** to educate internal stakeholders and external clients, enhancing adoption and usability of the HALO platform
- Utilized **Agile and Scrum methodologies** to manage project timelines and deliver iterative updates
- Provide **data-driven insights** and actionable recommendations that shape the HALO product roadmap
- Collaborated with UX designers, product managers, and backend engineers effectively in a **15+ member multidisciplinary global team** driving alignment on feature development and delivery.
- Enhanced **user satisfaction** by identifying product improvements and implementing, high-performance features, aligning closely with customer feedback and business goals.

## PROJECTS

### Hotel Management Portal

- Developed a web application for managing **bookings, cabins, and guest profiles** using an **API-driven architecture**
- Proactively optimized code for **efficiency and maintainability**, implementing best practices
- Built **reusable code and libraries** using advanced **design patterns**, enabling the creation of simple, modular components for complex user interfaces.
- Engineered **high-performance UI components**, focusing on responsiveness and seamless real-time data updates to ensure a smooth user experience.
- Conducted thorough **profiling and performance optimizations** to minimize load times and enhance overall application responsiveness.

### Hotel Website with Stripe Payments

- Designed and developed a **frontend booking interface** integrated with **Stripe** for secure payment processing, enabling seamless online transactions.
- Ensured smooth communication between the customer-facing website and backend management systems by implementing **REST APIs**.
- Applied principles of **usability and web accessibility** to create an intuitive and user-friendly experience
- Deployed the application through **Vercel**, leveraging **continuous integration, version control systems, and automated build processes** for efficient development workflows and streamlined updates.

### XR Dance Academy

- Designed and innovated XR application “XR Dance Academy” for users to visualize, learn, and perform dance in an immersive 3D environment, optimized for deployment on Quest 2 platform
- Captured 3D (RGBD) data of dance performers with Microsoft Kinect to study dance movements in 3D space
- Motion Captured dance movements using the OptiTrack system for the Animation of Avatars