

# Devaansh Sinha

(608)-335-0973 | [devaansh.tech](https://devaansh.tech) | [sinhadevaansh@gmail.com](mailto:sinhadevaansh@gmail.com) | [linkedin.com/in/devaanshsinha](https://linkedin.com/in/devaanshsinha) | [github.com/devaanshsinha](https://github.com/devaanshsinha)

## EDUCATION

### University of Wisconsin Madison

Sep. 2022 – Dec. 2025

*Bachelor of Science in Computer Science, Minor in Game Design*

GPA: 3.9 / 4.0

- *Relevant Coursework:* Operating Systems, Computer Graphics, Computer Vision, Big Data, Algorithms, Data Structures, Machine Organization, Intro to AI, Object Oriented Programming, UI/UX

## EXPERIENCE

### Gemini

New York City, NY

*Software Engineer Intern*

June 2025 – Present

- Redesigned Ethereum based NFT tracking system, transitioning blockchain listener architecture to focus on token level activity, reducing network monitoring load by 70% and streamlining internal data management
- Implemented automated removal of unsupported NFTs, reducing on screen clutter, cutting database size by 200GB, and improving query performance by 40%
- Upgraded external wallet API to eliminate redundant payloads, cutting data transfer size by 60% and improving load times for wallet-rich user accounts by 2.5 seconds
- Collaborated one on one with a Project Manager to design and launch a Showcase section on user profiles, allowing creators to highlight pinned collections and increasing interactions with showcased items by 25%

*Software Engineer Intern*

Jun 2024 - Aug 2024

- Designed and launched StandUpBot, an internal standup automation platform using Django, AWS, and PostgreSQL saving 10+ hours per week in manual checkins for 800+ remote employees.
- Developed an interactive team management dashboard within Slack with configurable reminders, automated prompts, and visualized work summaries, improving engineering lead oversight and team transparency
- Built scheduling system for NFT Marketplace drops, simplifying coordination of product release timelines across teams

### Nandi Travels

Niles, IL

*Full Stack Developer*

May 2025 – Present

- Currently developing a travel booking platform using React, Node.js, and PostgreSQL for over 1K monthly users, supporting flight reservations, itinerary tracking, and inquiry support
- Implementing automated booking confirmations, trip updates, and document workflows using AWS Lambda and Twilio API to handle over 200 weekly requests seamlessly

### Bajaj Finserv

Pune, India

*Software Engineer Intern*

Jun 2023 – Aug 2023

- Developed a spam detection system using Spring Boot, safeguarding 500K+ loan applications with 95% classification accuracy
- Created robust ID verification and authentication modules processing 10K+ daily secure access requests across web services

## PROJECTS

### Cogniflow

- Engineered an on-chain intelligence system that aggregates blockchain transactions and smart contract data into a unified knowledge graph for real-time reasoning and analytics
- Built vector-based retrieval pipelines using Supabase pgvector and OpenAI embeddings to enable semantic search, wallet clustering, and contract behavior detection across EVM chains
- Implemented event-driven indexers with TypeScript workers to continuously sync on-chain data, compute token-level activity metrics, and surface insights through an AI-powered query layer

### Glyconova

- Built a full-stack health monitoring platform integrating Dexcom CGM and Omnipod insulin pump data, consolidating disparate data streams to empower user driven diabetes management
- Built RESTful API with Next.js and PostgreSQL handling 10K+ daily health data points with sub 200ms response times
- Implemented responsive dashboard using React, TypeScript, and Chart.js achieving 98% mobile responsiveness score

### Shelfwise

- Built comprehensive food tracking application using Python/OpenCV for receipt scanning with 98% OCR accuracy
- Developed FastAPI backend with Prisma ORM and React/TypeScript frontend serving real time inventory updates
- Integrated OpenAI powered NLP assistant for hands free interaction and intelligent recipe suggestions

### Custom C Shell

- Built a custom Unix shell in C with support for core shell functionality including command execution, piping, redirection, background processes, and built-in commands like cd, exit, and export
- Implemented memory safe variable handling, command tracking, and comprehensive error management for multi process execution

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python, TypeScript, JavaScript, SQL, HTML/CSS, Bash, R, Swift, Assembly, C#

**Frameworks & Libraries:** React, Next.js, Django, FastAPI, Flask, Spring Boot, JUnit, Mockito, PyTorch, Pandas, NumPy, OpenCV, Tesseract, Elasticsearch

**Technologies & Tools:** Git, Docker, AWS, Google Cloud Platform, PostgreSQL, MySQL, REST APIs, Hadoop, Apache Spark, Apache Kafka, CUDA, OpenAI API, Blender, Blockchain, Web3, Alchemy, Terraform, JIRA, Linux/Unix