

Devaansh Sinha

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EDUCATION

University of Wisconsin Madison

Sep. 2022 – Dec. 2025

Bachelor of Science in Computer Science, Minor in Game Design

GPA: 3.9 / 4.0

- 6-time Dean's List recipient
- *Relevant Coursework:* Operating Systems, Computer Graphics, Computer Vision, Big Data, Algorithms, Data Structures, Machine Organization, Intro to AI, Object Oriented Programming
- *Clubs:* Software Engineering Club, Game Design Club

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
- Architected a scalable PostgreSQL schema for 1,000+ daily entries, enabling high-performance retrieval of reports and metrics
- 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
- Building a dual interface system with a customer portal and internal dashboard to improve agent efficiency by 40%
- 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

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, JavaScript, TypeScript, SQL, HTML/CSS, Bash, R, Swift, Assembly

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

Technologies & Tools: Git, Docker, AWS, Google Cloud Platform, PostgreSQL, MySQL, REST APIs, OpenAI API, Blender, Hadoop, Spark, Kafka, Unix, CUDA, Blockchain, Web3, Alchemy, Hookdeck