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, Discrete Math, Linear Algebra, Introduction to AI, Applied Statistics, Object Oriented Programming
- *Clubs*: Software Engineering Club, Game Design Club

EXPERIENCE

Gemini New York City, NY
Software Engineer Intern June 2025 – Present
- Redesigned NFT tracking system for Nifty Gateway, transitioning from listening to ERC-20 to ERC-721 token transfers, reducing blockchain listening activity by 70% and simplifying data management for employees
- Introduced feature change to remove unsupported NFTs, decreasing frontend clutter while reducing database bloat by 200GB and improving query latency by 40%
- Redesigned external wallet API to reduce redundant data and shrink payload sizes by 60%, resulting in 2.5s faster page loads for wallet rich users
- Upgrading Stripe payment flow across the platform, increasing security and enabling enhanced checkouts for 15k+ monthly users

Software Engineer Intern Jun 2024 - Aug 2024
- Designed and deployed a custom standup automation tool using Django and AWS, eliminating 10+ hours of manual check-ins weekly across 800+ remote employees
- Built comprehensive team management dashboard with configurable reminders, standup prompts, and visualized work summaries to enhance visibility and simplify oversight for engineering leads
- 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
- Developing travel booking platform for flight reservations, itinerary tracking, and inquiry support for 1K+ monthly users
- Built dual interface system featuring a customer portal and internal dashboard, streamlining agent operations and improving booking efficiency by 40%
- Automated booking confirmations, trip updates, and documentation workflows, handling 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
- Increased security by securing 15+ endpoints and implementing fine grained access controls, resulting in 0 vulnerable endpoints

PROJECTS

Glyconova
- Developed full-stack web application integrating Dexcom CGM and Omnipod pump APIs for real time glucose monitoring
- 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 history tracking, and comprehensive signal/error management for stable 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
Technologies & Tools: Git, Docker, AWS, Google Cloud Platform, PostgreSQL, MySQL, REST APIs, OpenAI API, Blender, Hadoop, Spark, Kafka, Unix, CUDA, Blockchain, Web3