Devaansh Sinha

Madison, WI | sinhadevaansh@gmail.com | 6083350973

www.linkedin.com/in/devaanshsinha/ | www.github.com/devaanshsinha/ |

Education

University of Wisconsin Madison, BS in Computer Science, Certificate in Game Design — Sept 2022 – May 2026

- GPA: 3.9/4.0
- **Coursework:** Computer Graphics, Computer Vision, Operating Systems, Big Data, Algorithms, Data Structures, Machine Organization, Discrete Math, Linear Algebra, Introduction to AI, Introductory Applied Statistics, Object Oriented Programming
- 4-time Dean's List recipient

Experience

Gemini, Software Engineering Intern – New York, NY — June 2024 – Present

- Developed a custom standup tool using Django Rest Framework and AWS Elastic Beanstalk, automating daily standup submissions for over 800 remote employees, saving approximately 10 hours of meeting time per week.
- Automated the whole process and added various features allowing managers to closely monitor all work done, also added team management features for custom reminders, standup questions, and work analysis
- Integrated a PostgreSQL database for data storage, managing over 1,000 standup entries and enabling quick access to recaps, statistical insights, and historical data.
- Worked on a calendar management system for upcoming drops on the NFT Marketplace.

Bajaj Finance Direct Limited, Software Engineering Intern – Pune, India — June 2023 – Aug 2023

- Created a spam detection service using Spring Boot and Elasticsearch, enhancing security for over 500,000 loan applications by cross-referencing user inputs against a dynamic spam database.
- Worked on building an ID verification system and authorization services for the company website and web services
- Improved data protection by securing open endpoints, mitigating risks, and preventing unauthorized access to sensitive user information, which contributed to a 20% reduction in reported data breaches.

University housing - UW Madison – Madison, WI — Sep 2022 – May 2024

- Worked as a cashier at Gordon's Dining and Events Center for 4 semesters, earned employee of the month twice

Projects

ShelfWise

- Developed ShelfWise, a pantry management app utilizing Python, OpenCV, and Tesseract for receipt scanning, FastAPI and Prisma for backend, and React/TypeScript for frontend. Integrated NLP-based assistant for hands-free interaction, optimizing food tracking, recipe suggestions, and reducing waste.

Custom C Shell

- Created a C-based Unix shell with features such as command execution, history tracking, and variable management. Supported built-in commands like cd and exit, enabling users to navigate and interact with the system through a custom command-line interface.

Hospital Record System

- Created a program using Java to help clinics keep a record of their patients that have been treated or are in queue based on level of medical urgency, age, and other information. Did extensive unit and manual testing.

Custom File System

- Created a custom user level C-based file system using FUSE that handle tasks like reading, writing, making directories, deleting files, and more

Technologies

Languages: C/C++, Java, Python, Swift, SQL, R, HTML/CSS, Assembly, Bash, Javascript, Typescript
Technologies: AWS, Docker, Google Cloud Platform, Git, Hadoop, Spark, Kafka, PostgreSQL, MySQL, REST APIs, Blender
Frameworks and Libraries: Django, PyTorch, Spring Boot, Junit, Mockito, Pandas, Elasticsearch, React, NextJs, CUDA