Nihitha Sunil

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EDUCATION:

Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science in Information Systems with an additional major in Business Administration   May 2027

- **Minor:** Artificial Intelligence
- **GPA:** 3.63/4.00
- **Relevant Coursework:** Principles of Imperative Computation, Database Design and Development, Business Computing, Methods for Statistics and Data Science, Designing Human-Centered Software, Practical Data Science, Application Design and Development, Matrices and Linear Transformations, and Calculus in 3 Dimensions.

EXPERIENCE:

ThirdAI (https://www.thirdai.com/) | June 2024 - August 2024
Artificial Intelligence Intern
ThirdAI develops efficient deep learning solutions using sparse computing. These solutions enable AI training on commodity hardware while reducing GPU dependency and costs.

- Conducted a market entry analysis for ThirdAI in the Indian legal & education sectors, identifying three high-impact opportunities and proposing go-to-market strategies.
- Developed an NLP prototype using ThirdAI's BOLT engine, improving text processing efficiency and implementing NeuralDB for enhanced search and recommendation capabilities.
- Optimized AI model training workflows, reducing processing time by 50% and lowering computational costs.

Carnegie Mellon University | October 2024 - Present
Microeconomics Grader - 73102

- Evaluated 250+ student assignments weekly using Gradescope, ensuring consistency and accuracy in grading.
- Collaborated with faculty, optimizing grading workflows to reduce turnaround time by 30%, ensuring timely feedback for student learning.

LEADERSHIP:

CMU Business Technology Group | Sept 2023 - Present
Software Engineer

- Developed a gym availability tracking app using Node.js & React, leading to a 70% improvement in real-time user updates.
- Led a team of 15 engineers, UI/UX designers, and business analysts, coordinating project development and ensuring seamless collaboration.
- Implemented responsive design enhancements and performance optimizations, reducing app load times and improving overall user experience.

PROJECTS:

Database Design and Development | November 2024 - December 2024

- Designed and implemented a fully functional database system for an early-stage startup, optimizing data retrieval efficiency.
- Wrote Python scripts to automate SQL queries, including complex triggers and window functions, streamlining operations, and reducing manual database operations by 60%.

Interactive Chatbox | June 2024 - August 2024

- Built a web scraper, collecting & structuring data from 20+ credible sources, improving chatbot knowledge base by 50%.
- Developed an interactive AI-powered chatbot with natural language processing, enabling dynamic responses and improving engagement.

Ball Jump Game | Nov 2023 - Dec 2023

- Developed a ball jump game using ball physics and random obstacle generation inspired by Helix Jump
- Integrated a Voronoi noise algorithm for dynamic background generation, enhancing visual appeal and gameplay variation.

SKILLS:

Programming & Tools: C, Python, SQL, JavaScript, R, Jupyter Notebook, Ruby on Rails, Microsoft Excel, Microsoft PowerPoint, Node.js, React, NeuralDB, Github, Anaconda