

Sayyam Sawai

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EDUCATION

University of Minnesota

Minneapolis, MN

Bachelor of Science in Computer Science

May 2026

- **Major GPA:** 3.2
- **Coursework:** Linear Algebra, Data Structures and Algorithms, Machine Architecture, Advanced Programming Principles, Multi-variable Calculus
- **Activities:** Head of Philanthropy at Alpha Delta Phi

EXPERIENCE

Undergraduate Research Assistant

June 2024 – Present

Under Prof. Jie Ding

- Replicating and modifying current state of the art research to fit project direction
- Analyzing performance of different Large Language models for audio recognition
- Fetching, analyzing, and cleaning audio data from multiple sources

Google Code-In Grand Prize Winner

Dec 2019 – Jan 2020

Awarded for "exceptional contributions to open source"

- Contributed 12 PRs to RedHat's Jboss community of projects as part of the competition
- Wrote instrumentation tests covering 100% of the code for an custom Android library used by RedHat
- Wrote FrontEnd components using AngularJS and made maintenance fixes for an internal certificate generator utility used by Jboss Community

PROJECTS

Scalar autograd | *Python, Pytorch, Numpy*

June 2024 – Present

- Developed an automatic scalar differentiation library for neural network prototyping
- Capable of implementing variety of neural network architectures
- Built from scratch using Python

Cheat meal generator | *React, JavaScript*

May 2024 – June 2024

- Allows you to select from popular list of fast food chains to generate meals under a given calorie range
- Used React to build an interactive website
- Utilized nutrition APIs like Nutritionx to fetch meals from fast food chains

TECHNICAL SKILLS

Languages: Python, Java, JavaScript

Frameworks/Libraries: React, Flask, NodeJS, Pytorch, Numpy

Developer Tools: Git, Anaconda