

# Adithya Raman

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## EDUCATION

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### University of Illinois Urbana-Champaign

**May 2024 - Present**

Undergraduate degree in Computer Science + Economics, Statistics Minor, James Scholar, Expected Graduation: 2027

- ❖ **Current GPA:** 3.88
- ❖ **Notable Courses Taken:** CS 225(Data Structures), Econ 220/221(Macro and Micro Economics), CS 222 (Software Design Lab)

## NOTABLE EXPERIENCE

### NBA Stat Predictor

Machine Learning Model/ Python Backend

- ❖ Created an NBA stat predictor that can determine how a player will do in their next game
- ❖ Uses the NBA API along with a machine learning model to predict how a player will do in their next game
- ❖ Working to display the results of the model on a website hosted by React

### Gym Genius

Flutter App/Machine Learning Model/Python Backend/Dart Frontend

- ❖ Worked in a group of 4 to create a Flutter app that uses a machine learning model to help correct form while working out in the gym
- ❖ Recording and model done in the Python backend and sent to the Dart frontend
- ❖ Full Dart UI with login page, badges for continued use of the app, and an AI suggestions page on how you can improve your workouts

### Seam Carving

Image Manipulation/C++

- ❖ Created a program in C++ that reduces the size of an image
- ❖ The program uses image manipulation to find the pixels in an image with the densest energy consumption in a picture and removes them, reducing the size of the image

### Wordle

React Frontend/JavaScript

- ❖ Uses a backend written in JavaScript that pulls every 5-letter word from the dictionary and pulls one at random
- ❖ Uses a React frontend to display to the user and take their guesses, much like the New York Times game Wordle

### Thermo-Nova

Self-Heating Lunchbox

- ❖ Collaborated on the development of a self-heating lunchbox
- ❖ Contributed to product design, implemented Bluetooth functionality, and worked to promote on social media
- ❖ Secured investment from external investors to help further push the product to market

## Skills

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- ❖ **Programming languages:** C++, Java, Python, CSS, JavaScript, HTML, SQL
  - ❖ **Frameworks & Tools:** React, Django, OpenCV, Pandas, NumPy, VSCode, Flutter
  - ❖ **Notable Awards and Accomplishments:** National Merit Scholar, Illinois State Seal of Biliteracy, 2-Time Presidential Award Winner, Nationals Qualifying Extemporaneous Speaker