ADITHYA RAMAN

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WORK EXPERIENCE

Illini Media Company, Urbana, IL: Software Development Intern   Aug 2025 - Present
- **Software Developer Intern** at Illini Media Company
- Using **Preact**,**React, HTML, Python,** and **Java**
- Created brand new staff scheduling system, improving **ease of use and improving efficiency** for the newspaper
- Helped redesign and improve the Illini Media central backend helping improve and **optimize internal workflows**

WPGU 107.1, Urbana, IL: On-Air Radio Personality   Aug 2025 – Present
- Host of a live 1-hour radio show delivering facts and informed opinions on wide variety of topics including sports, politics, and culture
- Developed strong communication skills, balancing objective reporting with engaging commentary
- Gained experience with media operations, **live scheduling**, and connecting with diverse audiences

NOTABLE PROJECTS

Wordle
React/JavaScript
- Built and hosted a backend server on Render using **JavaScript** that manages the game logic and state
- Built and hosted the frontend on Vercel using **React + Vite** which manages the player guesses, displays guesses, dynamically updates the game grid and communicates with the backend server to determine what to display
- Implemented **API communication** between backend and frontend
- Utilized **React hooks** for state management and API handling

SteelHacks
AI Resume Builder for Reentry Support
- Developed and hosted a **React Web Application** to help formerly incarcerated individuals reintegrate society
- Integrated **Gemini API** to generate a user their resume tailored around their suggestions and then auto formatted into a professional format
- Collaborated under a tight hackathon deadline, demonstrating **rapid creation** and **problem solving skills**

Ropes Research Paper
Research Paper focusing on the Ropes Data Structure written with Java in mind
- Researched and **optimized** string operations in Java while managing memory efficiency
- Implemented Ropes data structure to significantly **improve the speed** of String operations in Java
- **Researched** and **implemented**, in Java along with writing both a research and results paper

Gym Genius
Machine Learning Model/AI integration
- Created a **Flutter** app that uses a python based **machine learning model** to correct work out form
- Used **OpenCV** to analyze key joints and body movements, comparing them to correct form to guide proper exercise execution
- Had a progress tracker with award badges to encourage consistent exercise
- **Gemini integration** to allow for suggestions of how to workout properly

EDUCATION

University of Illinois Urbana - Champaign   Graduating May 2027
3.88 GPA
Computer Science + Economics | Statistics Minor | James Scholar
Relevant coursework: **High Frequency Trading**, Honors Data Structures, Discrete Structures, **Software Design Lab**, Macroeconomics, Microeconomics