

# Girish Dodda

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## EDUCATION

### UNIVERSITY OF WISCONSIN - MADISON

Madison, WI

Bachelor of Science

Expected May 2025

Major in Computer Science and Data Science

Cumulative GPA: 3.79/4.0; Dean's List 2022-2023

Relevant Coursework: Data Structures & Algorithms; Computer Engineering; Artificial Intelligence (Python, Tensorflow, Torch)

## WORK EXPERIENCE

### LINCOLN PRIVATE JET'S

Remote

Mobile App Developer Internship

Jun 2022 – Aug 2022

- Addressed and resolved software bugs in **Angular** applications, ensuring functionality and user experience.
- Independently led the transition of a web application from **Angular** to **React Native**, enhancing mobile compatibility and performance.
- Documented key design patterns and solutions for use in future development cycles.
- Performed data modeling and testing to maintain high standards in both **Angular** and **React Native** projects.

## UNIVERSITY PROJECTS

### News Article Summarization

Dec 2023

- Developed an **extractive summarization** model using the BBC News Archive dataset; implemented with **LSTMs** in Python using **Torch**.
- Focused on **word-level extraction** to improve human interpretability, contrasting previous sentence-level approaches.

### Passcode App for Wear OS

Aug 2023

- Engineered a **Wear OS** app for Galaxy watches using **Android SDK**.
- Integrated **Github Actions** for secure handling of university dual authorization passcodes.
- Enhanced user convenience in the authentication process.

### Conway's Game of Life

Jul 2023

- Developed a project to explore Conway's Game of Life, focusing on **cellular automata** using **Processing 5**.
- Gained expertise in transformations and scaling for zooming and dragging functionalities.

### Battleship with Databases

Dec 2022

- Reimagined the classic multiplayer game Battleship with a modern twist.
- Initiated with Peer to Peer connections using **PeerJs**, later integrating **Firebase Database** for database functionality.

### AI Flappy Bird

Aug 2021

- Designed a Flappy Bird clone as a **neuroevolution** demonstration.
- Utilized **TensorFlow.js** and The Coding Train's neural network library.

## HACKATHONS

### Empty Fridge (MadHacks 2023 - Best Sustainability Hack)

- Developed a recipe app using **Puppeteer JS** for web scraping, providing recipes based on available ingredients.
- Employed **JavaScript**, **HTML5**, and **CSS** to design and implement the website..
- The project aimed to reduce food waste and promote sustainable cooking.

### Ready, Set, Go! (St3am - Best Engineering & 2nd Best Overall)

- Implemented a project using **Arduino** boards and IoT technology.
- Created a network of personalized communication devices to enhance student-teacher interactions.

### Baba (HackVH - 2nd Best Overall)

- Collaborated on developing an app for AP exam preparation using **JavaScript** and **Firebase Database**.
- Integrated **JavaScript**, **HTML5**, and **CSS** for website development.
- Utilized collective computer science skills to create an efficient and interactive study tool.

## ADDITIONAL

**Technical Skills:** JavaScript; HTML 5; CSS; Java; Arduino(C++); Python; Tensorflow; Android SDK; Node.js; R; Git; Github

**Languages:** Fluent in English, Telugu

**Certifications & Training:** Leetcode 200: Easy 83, Medium 113, Hard 4

**Website:** <https://mrblacklicorice.github.io/>