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: 3.71/4.0; Dean's List 2022-2023

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

WORK EXPERIENCE

DUO ARTS — Remote

Full-stack Developer — Jun 2024 – Present

- Developed and optimized website features using **JavaScript** and **Knockout.js**, resolving bugs and submitting over **20 pull requests** for smooth functionality.
- Enhanced backend services with **C#** and **PostgreSQL**, improving data handling.
- Collaborated with the designer and manager to simplify processes and improve user interfaces.

WISCONSIN MESSENGER — Remote

Software Developer — Jun 2024 – Present

- Developed over 8 **Python**-based **web scrapers** tailored to each newspaper's **RSS feeds**, ensuring high accuracy.
- Enhanced scraper tools to handle specific cases and unique headers, improving adaptability for diverse news sources.
- Collaborated with the team to troubleshoot complex scraping challenges, improving data accuracy and reliability.

LINCOLN PRIVATE JETS — 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**.
- 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** with **LSTM networks** for the BBC News Archive, using Python and PyTorch to enhance data processing efficiency.
- Optimized for **word-level extraction**, the model not only enhances human interpretability but also leverages advanced machine learning techniques to surpass traditional sentence-level approaches.

Passcode App for Wear OS — Aug 2023

- Developed a **Wear OS** app using **Android SDK** for automated 2FA password synchronization on **Galaxy watches**.
- Engineered **web scraping** functionality to retrieve and refresh Duo passcodes dynamically, integrating with **GitHub Actions** for secure and continuous updates.

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 in order to 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 through **WiFi** 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.

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/