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

WISCONSIN MESSENGER Remote
Software Developer Jun 2024 – Present
- Customized and enhanced the base **scraper** tool to handle more specific cases, including those requiring unique headers, improving adaptability and efficiency for diverse news sources.
- Developed individual web scraping tools using **Python** for each newspaper source, tailored to their specific structure and **RSS feeds**, ensuring high accuracy and effectiveness in content extraction.
- Collaborated in a team environment to brainstorm and troubleshoot complex scraping challenges, significantly 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**, 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** 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 for Galaxy watches using Android SDK**, enabling automated handling of university dual authentication passcodes.
- Engineered **web scraping** functionality to retrieve and refresh Duo passcodes dynamically, integrating with **GitHub Actions** for secure and continuous updates.
- Enhanced user convenience by automating passcode synchronization on the smartwatch.

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.

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/