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 web applications using **C#**, **ASP.NET**, and **Knockout.js**, enhancing front-end interactivity and state management and submitting over **20 pull requests**.
- Managed database operations using **SQL Server** and **.NET pgAdmin**, optimizing data interactions and backend processes.
- Collaborated with the designer and manager to make robust and streamlined 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.
- Built a **transfer learning ML model** achieving 100% training accuracy and 97% test accuracy for **article categorization**.
- 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)
- Developed a **WiFi-based client-server** system using **Arduino** and **IoT** for classroom interactions.
- Engineered a **network for real-time communication**, enabling students to submit responses via a **GUI** on client devices.

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; Jupyter Notebook;
Certifications & Training: Leetcode 222: Easy 90, Medium 128, Hard 4
Website: https://mrblacklicorice.github.io/