Girish Dodda

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EDUCATION

UNIVERSITY OF WISCONSIN - MADISON

Madison, WI

Expected May 2025

Bachelor of Science 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 222: Easy 90, Medium 128, Hard 4

Website: https://mrblacklicorice.github.io/