Garv Pundir

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OBJECTIVE

Dedicated and detail-oriented Computer Science and Data Science junior at UW-Madison, experienced in software development, data-driven AI projects, and frontend design. Proficient in Python, Java, and JavaScript, I am eager to expand my technical skillset by gaining hands-on experience in backend development. Seeking a software engineering internship to apply my skills in developing impactful solutions, leveraging prior experience with LLM model training, and advanced data analytics projects.

EDUCATION

University of Wisconsin-Madison — Madison, WI

BS Computer Science, Data Science and Economics – Academic Deans List: Spring 2023, Spring 2025 — Expected May 2026

Relevant Coursework: Java Programming III, Calculus and Analytic Geometry, Machine Organization and Programming, Linear Algebra, Data Science Modelling II, Algorithms, Artificial Intelligence, Data Science Programming II, Database Management Systems: Design and Implementation, Microeconomic Theory, Macroeconomic Theory.

WORK EXPERIENCE

Harmonizer Scientific Research — India

Software Development Engineering Intern — Aug 2024 – Oct 2024

- Aided in front-end development using HTML, CSS and JavaScript. Designed widgets for their latest IoT devices. Optimized widget performance, ensuring seamless functionality across multiple devices and platforms.

Department of Computer and Information Sciences, University of Wisconsin - Madison — Madison, WI

Peer mentor for CS354 – Machine Organization and Programming — Jan 2025 – Present

- Mentor students with difficulties in virtual memory space, C programming, dynamic memory allocation, caching and assembly language and system level communication.

Inspirit AI — Palo Alto, CA (Remote)

Intern — Jun 2021 – July 2021

- Successfully executed an object detection project using the YOLO (you only look once) algorithm in self - driven cars using python with its various libraries like sklearn and pandas and using skills like Linear and Logistic regression along with Classification and Neural Networks.

PROJECTS

LLM Grading Quality — Sept 2024 – Jan 2025

- Analyzing how LLM grading varies by measures of students' writing quality, under Professor Karumbaiah. Training LLM to check and give students improvements based on what they have worked on so far.

Stock Analysis and Prediction — Jan 2025 - Present

- Currently working on developing an effective way of predicting stock prices using a LSTM model – working towards attaining the skillset through research and coursework to complete this project.
- Progress so far: got access to data, worked on data cleaning, plotted the data using pandas and NumPy, generated a correlation matrix.

Analysis of the use of ChatGPT in Materials Sciences Engineering — Jan 2024 – May 2024

- Prompted the ChatGPT API for Li-Ion cathode battery voltages, collected data, compared it with an existing reference database to see the accuracy with which ChatGPT was giving the outputs.

World Journal of Engineering Research and Technology (Publications)

- Published Research Papers on LiDAR, and the Internet of Things.
- https://www.wjert.org/home/article_abstract/1014: Internet of Things
- https://www.wjert.org/home/article_abstract/1068: Light Detection and Ranging

SKILLS

Software Development: Java, Python, R, HTML, CSS, JavaScript, C , C++, git, React
Data Modelling: R, Python (matplotlib, pandas, numpy)