SOHAM NANDI

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Objective

Early-career computer scientist who recently graduated with a B.S. in Computer Science, seeking a job in machine learning or cybersecurity. Experienced in object-oriented programming and machine learning.

Education

🎓 **Bachelor of Science in Computer Science**
University of Wisconsin–Milwaukee
Fall 2021 to Spring 2024

Work Experience

Student instruction leader
University of Wisconsin–Milwaukee
Spring 2023

> Tutored comp sci students in intermediate-level object-oriented programming using Java. Presented material to supplement coursework and held exam review sessions that dozens of students attended, leading to higher exam scores.

Research Experience

Research team member
Informatics Skunkworks, University of Wisconsin–Madison
Spring 2024

> Remotely participated in a materials engineering research team working with a generative ML model for discovery of new crystalline materials. Worked with code to fine-tune and optimize a novel machine learning model for the task.

Technical Skills

Java · C++ · Python (Django, Flask) · C · HTML, CSS · JavaScript, TypeScript (Angular, React) · Git, GitHub, GitLab · SQL (MySQL) · UNIX (BASH), PowerShell

Technical Projects

- **Senior design project** *(Spring 2023)*
  Contributed to frontend and backend development with a team of students designing a web app using Angular, Flask, and MySQL. Worked on cross-platform functionality and integration between pages. Was awarded "best senior design project" by the College of Engineering.

- **FIRST Robotics Competition** *(2017-2021)*
  Participated on the programming team for four years of high school. Led a group developing autonomous driving capabilities using C++. Designed the code for camera vision processing with object detection with a simple user interface. Trained new members in using GitHub.

Activities

- **IEEE Computer Society at UWM**, officer/president *(2022-2024)*
  Managed internal and external communications, marketing, and outreach, which led to increased engagement while I was president. Led events such as short demonstrations of computer skills for a general audience. Helped organize special events with hundreds of attendees.