Soham Kundu

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EDUCATION

University of Wisconsin - Madison, College of Engineering — *Madison, WI*
Bachelor of Science, Computer Engineering — Expected May 2026
GPA: 3.9/4.00
- Relevant coursework- Data Structures, Algorithms, OOP, Digital Systems, Operating Systems

WORK EXPERIENCE

Outlier AI — *Minneapolis, MN*
AI Trainer/Evaluator — June 2024 – present
- Contribute to the development of cutting-edge AI models through rigorous data labeling and evaluation.
- Provide expert feedback on model performance, identifying areas for improvement and suggesting optimizations.
- Utilize advanced tools and platforms to analyze and process large datasets.

Ultimate Frisbee Association — *Minneapolis, MN*
Referee — February 2024 – present
- Officiating professional ultimate frisbee
- Regularly make game-changing decisions in a very high pressure, fast-paced environment

PROJECTS

JetBot Autonomous Robot
- Initiated my first hardware project by building a JetBot, using a Jetson Nano mini-computer, 3D printed components, and custom electrical assembly
- 3D printed the chassis, meticulously assembled the main components, and made permanent electrical connections through soldering
- Programmed the robot's functionality using Python and Jupyter Notebook
- End product resulted in an autonomous robot capable of navigating cluttered, elevated spaces using its camera and wheels

Stock Price Checker - *github.com/SoKu27/Stock-Tracker*
- Developed a web application using Python and Flask that allows users to retrieve and visualize stock price data based on ticker symbols and specified intervals (daily, weekly, or monthly).
- Integrated the Alpha Vantage API to fetch real-time stock data, including time series data, with robust error handling for invalid ticker symbols.
- Implemented dynamic data visualization using Matplotlib, displaying stock price trends in an intricate graph.
- Designed a responsive interface with Bootstrap, enhancing the user experience on both desktop and mobile devices.

Premier League Stat Tracker - *github.com/SoKu27/PremierLeagueStats*
- Designed and developed a web application using Python and Flask that allows users to retrieve and display statistics for Premier League teams based on a selected season
- Integrated the Football API-Sports API to dynamically fetch team data, including total games played and goals scored, with error handling for invalid inputs
- Used environment variables and the dotenv library to securely manage API keys

Color-Picker - *github.com/SoKu27/Color-Picker*
- Developed an interactive web application using Javascript and React that allows users to select colors and easily copy the corresponding hex color codes
- Implemented state management to dynamically update the selected color and provide real-time feedback
- Utilized the Clipboard API to enable seamless copying of color codes, with visual confirmation upon success

SKILLS

Languages: Python, Java, Javascript, HTML, CSS, SQL

Frameworks/Libraries: Flask, React, Node, Django, Pandas, NumPy, Sklearn, CUDA

Others: Machine Learning, Google Workplace, Git/Github, MongoDB, Jetson Nano, Blender, CAD, MacOS, Windows, Linux