Akshay Gona

US Citizen | gona@wisc.edu | (510)-366-1891 | www.linkedin.com/in/agona | akshaygona.com | github: akshaygona

EDUCATION

University of Wisconsin - Madison — **Madison, Wisconsin**
B.S. in Computer Sciences, Data Science, and Mathematics (triple major) — *Expected Graduation, Dec. 2025*
Related Coursework: Object-Oriented Programming, Data Structures & Algorithms, Objects & Design, Computer/Machine Organization, Algorithms, Statistical Modeling, Machine Learning

EXPERIENCE

J.M. Smucker Co. — **Orrville, Ohio**
Software Developer Intern – Platform Services Team — *May 2024 – Aug. 2024*
- Designed, built, tested, and documented an error notification management system for multiple servers on a dSeries Enterprise Scheduling application, integrating a Flask-based backend and a user-customizable web front end.
- Developed API functionalities for error message delivery, job destination management, logging, security access controls, and report generation, deployed in Docker containers on an on-premises Kubernetes cluster.

Cognizant — **Union City, California**
Generative AI Extern — *Apr. 2024 – Aug. 2024*
- Developed a predictive maintenance system using machine learning algorithms to anticipate and prevent potential failures in Cognizant's IT infrastructure.
- Trained system on historical data on system performance, maintenance logs, and failure patterns to predict when equipment is likely to require maintenance or replacement.

Scale AI — **San Francisco, California**
AI/ML Intern – Training Data — *Feb. 2024 – May 2024*
- Fine-tuned custom-built LLMs using the Hugging Face Transformers library, optimizing models like GPT-3.5, BERT, and T5 for specific tasks and datasets.
- Collaborated with the research team to enhance model performance and documented findings for future improvements.

Ultimo Software Solutions — **Union City, California**
Software Development Engineering Intern — *May. 2023 – Aug. 2023*
- Developed mappings to integrate and visualize AT&T business workflows for (data streams from Atlassian, Jira, Salesforce, and others)
- Performed Data ETL and analysis on Wells Fargo's grievances, appeals and customer service touch points, gathering data from various systems to provide a holistic view of customer interaction.

PROJECTS

PokerProCalc: Intelligent Poker Odds Analyzer — **Madison, Wisconsin**
Python, PyQT, matplotlib, unittest, AWS Sagemaker, HuggingFace, socket — *Jan. 2024 – Feb. 2024*
- Developed an app which accurately calculates live Pre-flop, Post-flop odds/hand equity on a card by card basis when entered by users. As the number of hands played and entered increases, player range prediction accuracy increases.

tExtractor — **Madison, Wisconsin**
Python, tensorflow, scipy, numpy, OpenCV,Pillow,pyYAML — *Sep. 2023 – Nov. 2023*
- Designed and developed a program that learns and deciphers text from images and PDFs using OCR and basic machine learning.

ACTIVITIES AND LEADERSHIP

AI Club — **Madison, Wisconsin**
Backend Developer, Sign Language Recognition Team Leader — *Oct. 2023 – Current*
- Led a student team to develop a system that used image recognition and machine learning to translate ASL to audio in real time.

Wisconsin Club Volleyball — **Madison, Wisconsin**
Captain — *Sep. 2022 – Current*
- Co-Captain of the Wisconsin Men's Club Volleyball team
- Led the team to 2nd place in the Division II Club level in the 2022-'23 season.

SKILLS

Programming: Python, Java, C, C++, R, HTML/CSS, JavaScript, SQL(MySQL, Oracle, Postgres), Apex, Swift, Bash
Developer Tools: Git, Docker, TravisCL, GCP, VS Code, IntelliJ, PyCharm, Eclipse, Visual Studio, Kubernetes, Jenkins, JIRA
Frameworks: React, Junit, Flask, Angular, Vue, AWS(EC2, Sagemaker, Lambda, RDS, S3, Bedrock), Hugging Face, Pytorch, Express, Electron, PyQT
Libraries: pandas, NumPy, Matplotlib, OpenCV, scikit-learn, axios, XGboost, seaborn, plotly, tensorflow.js