Raghavendra Raikar

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Online Masters of Science in Computer Science: Machine Learning Specialization   *Fall 2025*

University of California Santa Cruz   Santa Cruz, CA
Bachelor of Science in Computer Science, Minor in Mathematics   *GPA: 3.84*

EXPERIENCE

Software Engineering Intern   January 2025 – June 2025
UXLY   *Santa Cruz, CA*
- Built a full-stack e-commerce chatbot using FastAPI, React, and Supabase with authenticated user sessions, supporting both guest product search and authenticated cart/order management.
- Implemented BM25-based product search engine with custom tokenization and dimensional filtering (weight, length, width), achieving 95% search accuracy and supporting product SKUs.
- Developed LangGraph React agent framework with specialized e-commerce tools, enabling seamless cart management, order processing, and product URL generation with variant parameter handling, reducing customer support queries by 60%.

Software Engineering Intern   June 2023 - May 2024
NASA   *Mountain View, CA*
- Implemented and optimized 10+ features in the Celestial Mapping System (CMS) using Java, enhancing 3D simulation accuracy and mission planning capabilities.
- Automated HORUS AI georeferencing, integrating Permanently Shadowed Region (PSR) imagery into CMS, improving coordinate accuracy by 40% and crater clarity by 25%.
- Presented CMS at NASA Better Together 2023, showcasing high-resolution lunar mapping, AI-enhanced imagery, and vector-based crater analysis, aiding mission planners and researchers.

Software Engineering Intern   March 2023 – June 2023
Kitu Systems   *San Diego, CA*
- Created a Python program using regex to automate requirement extraction for Kitu-Inverter-Client, improving efficiency by 70% and reducing development time by 35%.

PROJECTS

PlayPicks | *React, Flask, Firebase, Vercel, Render, OpenAI GPT-4-turbo, Odds API, RAG, Stripe*   Present
- Built an AI-powered sports betting chatbot subscription service using dynamic webscraping + Odds API (RAG) and GPT-4-turbo for real-time odds, AI predictions, and personalized insights.
- Integrated stripe payments for subscription service, Firebase for data management, and Odds API for real-time sports data, deploying via Vercel and Render to reach 100+ users.

PantryPal | *Streamlit, Flask, Pandas, NLTK, scikit-learn, BeautifulSoup*   July 2023 - August 2023
- Engineered an AI-powered recipe recommendation tool, using Streamlit for an interactive UI and Flask for backend processing.
- Built a machine learning model using scikit-learn and NLTK, leveraging BeautifulSoup for web-scraped recipe data to enhance recipe recommendations based on user-inputted ingredients.

TECHNICAL SKILLS

Languages: Python, C, C#, C++, Java, JavaScript, SQL, Flutter, Swift, TypeScript, PostgreSQL, .NET
Frameworks/Libraries: React, Node.js, SpringBoot, Streamlit, Django, Flask, Langchain, FastAPI, NLTK, Pandas, scikit-learn, spaCy, BERT, Hugging Face, Llamaindex
Developer Tools: Git, Docker, Azure, AWS, GCP, Linux, CI/CD, Kubernetes
Certifications: Oracle Certified Associate Java SE 8 Programmer, AWS Certified Cloud Practitioner

LEADERSHIP & COMMUNITY

Technical Writer @ Medium: Blogging about software, emerging tech, and my passion for AI & ML.

Group Tutor @ UCSC Baskin Engineering: Tutored students in Computer Systems Design, Python Programming, and Computer Architecture.