

Svadrut Kukunooru

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EDUCATION

University of Wisconsin – Madison

Madison, WI

Bachelor of Science in Computer Science, Minor in Data Science

2021 – 2024

- **Relevant Coursework:** Machine Organization, Data Modeling, Linear Algebra, Discrete Math, Artificial Intelligence, Algorithms, Operating Systems, Software Engineering, Databases

Amazon Web Services

Madison, WI

AWS Developer Associate – DVA-C02

July 2024

- Demonstrated proficiency in core AWS services, application lifecycle management, and optimizing AWS-based applications for performance and security.

EXPERIENCE

Wayfair

September 2024 -

Software Engineer

Boston, MA

- Built a centralized logging and storage system for Glean question submissions and responses, enabling asynchronous performance evaluation and detailed analysis.
- Developed a structured data pipeline to store user questions, bot responses, context snippets, and metadata (e.g., Glean App ID, source files) in BigQuery using Terraform.
- Designed and implemented an LLM evaluation framework to measure key performance metrics (DAU, SSAT, MAP) and cost analysis (per-user Glean, GCP, OpenAI) using Looker
- Supported cross-team knowledge sharing by establishing patterns and tooling applicable to multiple domains beyond Talent Tech.

Wayfair

June 2024 - August 2024

Software Engineering Intern

Boston, MA

- Worked with a cross-functional team to win the Intern Innovation Project by kickstarting the development of 'Waybor', a generative AI-assisted tool designed to create instruction tutorials based on manufacturers' CAD models for furniture assembly and aid customers in constructing their products.
- Designed and implemented RESTful APIs using Spring Boot and Java, including class diagrams and endpoint development, to integrate new product compliance rules into Wayfair's platform.
- Developed and tested backend services ensuring supplier adherence to safety and quality standards, enhancing product compliance and regulatory workflows.
- Enhanced user experience by creating UI components and a state management system for the product rule management system, facilitating seamless interaction for manufacturers and the Legal Technology team.

PROJECTS

Campusfy | Python, SQL, HTML, CSS, JS

February 2024 -

- Empowered thousands of students with data-driven course insights, surpassing 1000 class pages viewed and actively expanding user engagement across multiple universities.
- Independently processed and structured academic data by scraping over 20,000 courses from university websites, enabling detailed analysis of grading patterns, difficulty levels, and student feedback.
- Engineered an AI-driven course discovery platform with real-time search and filtering, class reviews, secure authentication via NextAuth.js 5 and Supabase, and an AI advisor that interprets natural language queries and translates them to classes, allowing for seamless discovery.

SKILLS

AI/ML: OpenAI APIs, LLM Evaluation, Model Performance Tuning

Languages: Python, JavaScript, HTML/CSS, SQL, R, Python

Frameworks & Libraries: Next.js, React, Zustand, D3.js, Supabase

Cloud Platforms: AWS (Developer Associate Certified), Google Cloud Platform