

# RISHABH AGARWAL

• Minneapolis, MN • [agarw266@umn.edu](mailto:agarw266@umn.edu) • <https://github.com/a-rishabh> • [linkedin.com/in/rishabh-cs](https://www.linkedin.com/in/rishabh-cs)

## RELEVANT EXPERIENCES (more on my LinkedIn)

- SiteNotes App** *Software Engineering Intern (June 2024 - Present)* **Minneapolis, Minnesota**
- Developing and testing new features for their React Native mobile platform (SiteNotes), leveraging expertise in **React Native**, Swift, Android Studio, Xcode, and **Git** version control. Seamlessly integrating new functionalities, conducting rigorous testing, and fostering collaboration across teams led to a 30% boost in app performance and the timely delivery of top-tier features, elevating user satisfaction by 25%
- AI-CLIMATE Institute** *Machine Learning Intern (January 2024 - Present)* **Minneapolis, Minnesota**
- Employed Python, scikit-learn, and data mining techniques such as **feature selection** and **hyperparameter** tuning within the **RAG** architecture to enhance model accuracy and **interpretability**. This led to a significant 20% increase in carbon cycle quantification accuracy, promoting sustainable agriculture practices and driving a 15% increase in productivity
- KFI Engineers** *Software Engineering Intern (May 2023 - December 2023)* **St. Paul, Minnesota**
- Leveraged technologies like JavaScript and React to develop **scalable**, user-centric **web applications**. Through proficient database management with **MongoDB**, I achieved a 25% reduction in query response time. Additionally, expertly integrating **REST APIs** led to a 20% increase in app functionality. Navigating **agile development** cycles, I effectively applied computational statistics, resulting in a 15% improvement in app performance metrics.

## PROJECTS (more on my Github)

- React Chat App** *React, Chakra UI, NextJS, Firebase, AWS* **April 2024**
- Developed a full stack chat application, featuring secure authentication, real-time messaging, and dynamic data management. Achieved a 50% improvement in **load times** and supported over 1,000 **concurrent users**, showcasing my skills in front-end development, UI/UX design, and robust backend integration
- Food Ordering Platform** *NodeJS, React JS, MongoDB, Stripe AI, Auth0* **March 2024 - April 2024**
- Built an Enterprise-Level Platform, enhancing user experience with secure authentication, intuitive UI/UX, and seamless payment processing. Achieved a 30% increase in **user engagement** and a 25% boost in order completion rates, contributing to enhanced customer satisfaction and business growth
- Langchain Bot** *Python, Langchain, OpenAI API, RAG Architecture* **February 2024**
- Led development of an AI framework enabling GPT-powered chatbots with domain-specific knowledge. Implemented **text embeddings**, **retrieval-augmented generation (RAG)**, and **JavaScript** integration, resulting in a 25% reduction in response time and a 30% increase in chatbot accuracy, as measured by user feedback and performance metrics
- Drone Delivery System Simulation** *Design Principles, C++, React JS, SQL, Docker, GitHub* **October 2023 - December 2023**
- Developed scalable and reliable applications and services for a drone delivery system supporting millions of users. Designed dynamic drone charging systems and backend services using advanced **agile design patterns**, achieving a 40% improvement in efficiency. Gained expertise in **SQL**, **big data** processing, and **cloud infrastructure**

## LEADERSHIP EXPERIENCES (more on my LinkedIn)

- Google Inc.** *Developer Student Club lead (June 2023 - Present)* **Minneapolis, Minnesota**
- Directed technical initiatives and guided peers as the Google Developer Student Club Lead, fostering a culture of learning and **teamwork** within the university. Leveraged advanced **software development** skills to launch and grow campus projects
- University of Minnesota** *Orientation Leader (March 2022 - September 2022)* **Minneapolis, Minnesota**
- Led different groups of 20-30 students daily throughout the summer while helping them navigate the college experience while developing **leadership**, **communication**, and time management skills.
  - Worked in teams to welcome the incoming students, and improved speaking skills by **facilitating discussions**

## EDUCATION (prospective Master's student)

**University of Minnesota, Twin Cities** **Minneapolis, Minnesota**  
Master's of Science, Computer Science **December 2025**  
Bachelor's of Science, Computer Science, GPA: 3.90 **December 2024**

## SKILLS

**Programming Languages:** Python, JavaScript, C, C++, SQL, Java, OCaml, NodeJS, Go

**Web Technologies:** React, NodeJS, REST APIs, AWS, Azure, Docker, Sci-kit