Khanak Agrawal

khanakagrawal01@gmail.com • (425)230-7082 • www.linkedin.com/in/khanak-agrawal • khanakagrawal.github.io

Dear Hiring Manager,

For as long as I can remember, I have had this habit of saving the best for last. As a kid, I would try to peel off the cream in my Oreo cookie, my favorite part, so that I can eat it last.

I am this way about my homework too. All through high school and now in college, I do my math and computer science homework last every day. This is because I know that even at the end of the day, when I am tired and sleepy, I would have the motivation to do my work if it was one of these subjects because I enjoy putting them into practice.

I believe computer science is inherently about solving a problem, using an algorithm, and doing it in the most efficient way possible, minimizing the space and the time it takes, and this is part of why I enjoy it. Applying logic and intellectually challenging myself appeal to me. I like things I find straightforward and objective. I enjoy problem-solving.

Additionally, I have also been creative for as long as I can remember. Literally, in terms of my passion for art and dance, and indirectly, in terms of the way I can make various aspects of my life easier by applying some out-of-the-box thinking.

A combination of these skills is what I hope to contribute to the industry and my fields of study: my creative problem-solving and my empathy. With objective, STEM-based fields like computer science, it seems as though everything is black-and-white. However, these fields are powerful. With this power, comes an ethical gray area that can be difficult to navigate if one is just focused on the objective. I believe that it takes more than just intellectual intelligence to make sure the positive impact can help further a business or help people, the negative impact is minimalized if not removed altogether. I hope to help harness the incredible potential of computer science with emotional intelligence and creativity to create a future of equitable, inclusive, and uplifting technology.

Sincerely,

Khanak Agrawal

Khanak Agrawal

khanakagrawal01@gmail.com • (425)230-7082 • www.linkedin.com/in/khanak-agrawal • khanakagrawal.github.io

EDUCATION

University of Washington, Seattle (Sep 2022 - June 2025)| Paul G. Allen School of Computer Science
Interdisciplinary Honors, Computer Science, Business Minor | **3.82 GPA, Annual Dean's List**
Relevant Coursework: Data Structures & Algorithms, Hardware/Software Integration, Programming Theory, Probability & Statistics, Calculus, Analytic Geometry, Linear Algebra, Inequality in Technology, Ethical Algorithms

PROFESSIONAL EXPERIENCE

STEP Intern, Google | Seattle, WA   **June - September 2023**
- Worked on Execution Systems Platform under Google Cloud technical infrastructure.
- Contributed to overall automation and capitalizing ~$100 million of inventory through migration project from cron jobs to push model for material lifecycle management in the data center.
- Collaborated with partner teams to understand infrastructure and align on new use cases.
- Created an approved, 18-page low-level project design document.
- Implemented in Java,. Created generator, integration, orchestrator, and unit tests and modified existing remote procedure calls. Applied asynchronous programming, querying data (SQL), protocol buffers, spanner, etc.

Incoming Undergraduate Research Assistant   **February 2024 -**
- Under Assistant Professor Nick Vincent (5-10 hours weekly) - ML/Data leverage/AI

Virtual Internship Program, Upkey   **July 2021**
- Learned about entrepreneurship, search engine optimization, marketing, business strategy, and more while working on sample projects for LinkedIn, Google Ads, IE School of Business, etc.

TECHNICAL SKILLS

Java, C, Assembly, JavaScript, Python, SQL, HTML, CSS, Linux, Git, Mathematics
- **Portfolio website:** https://khanakagrawal.github.io. Made with CSS and HTML.
- **Harvard CS50:** 11-week course(10-20 hours/week). on abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development.
- **Data Visualization:** Python, Pandas, Matplotlib.
https://medium.com/@khanakagrawal01/analyzingtrends-in-insurance-and-smoking-d7a5c8ca5c2d
- **Predictive Model:** In progress. Python, NumPy. Creating a model to predict number of food boxes given out and prevent food waste/insufficient food on the volunteer free-food truck (mentioned above) given factors like weather, holidays, and season. Based on data collected and cleaned over 2.5 years.

EXTRA CURRICULARS

UW Organizations: COM2 (largest CS organization at UW), GEN1, Women in Computing
Dance - Competitive and recreational (2010 - ongoing)
Volunteering | ISKCON, Mary's Place | Seattle, WA   **September 2016 - Ongoing**
- Served over 150 boxes of free food every other Sunday as part of the Food For Life program in UDistrict. Face-painting at large scale events (20,000+ attendees)
- Taught free dance classes at Mary's Place, a homeless shelter, pre-pandemic

ASB | Class President, Class Treasurer, Commissioner   **May 2019 - June 2022**
- Spearheaded committees for all-school (1800+ students) and smaller (300-400) events like spirit assemblies, MLK assembly, dances etc.
- Assisted in allocation of school/district funds towards school amenities, clubs, etc. on the Senate.
- Fund-raised over $7500 with class officer team.

Girls Who Code | Marketing Manager, Mentorship Manager
- Helped found club chapter and recruit over 50 members in first year through Marketing.
- Co-created instructional coding exercises in Java and mentored beginners and intermediate-level members.

DECA (2019-2022) VP of mentorship International qualifier
Key Skills: Problem-solving, driven, collaboration, time-management, fast-learner, team work, algorithms, data structures