

# Khanak Agrawal

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## EDUCATION

**University of Washington, Seattle (Sep 2022 - June 2026) | Paul G. Allen School of Computer Science**

Interdisciplinary Honors, Computer Science, Business Minor | 3.82 GPA, Annual Dean's List

**Relevant Coursework:** Advanced 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.

**Software Engineering Intern, Returning part-time SWE, Sai Technologies | Remote**

**June - September 2024, ongoing**

- Creatively designing and implementing Figma wireframes for upcoming features and functionality and enhancing existing ones to ensure an aesthetic, smooth, and intuitive user experience with Figma, React, TypeScript, Node.js, HTML, CSS, MongoDB, and Git and GitHub.
- Developing during transition phase from beta-testing to managing enrollment for renowned institutions like Cornell, Columbia, and NYU.
- Mastering the Web Content Accessibility Guidelines (WCAG) up to Level AA, and implementing changes to ensure compliance, improving accessibility features and across-screen compatibility across the platform.
- Collaborating effectively with team members and managers through regular meetings to strategically plan next steps, deploy features, and delegate tasks to meet deadlines.
- Will be returning as a part-time SWE, working year-round to further development and assist with tasks across the stack.

**Project Manager, GoGirl Organization | Remote**

**June 2024 – ongoing**

- Spearheading a team of tutors, leading regular meetings to foster team cohesion, establish a unified vision, monitor progress, delegate tasks, and recognize contributions. Maintaining continuous communication to troubleshoot issues and provide necessary resources.
- Partnering with the HR to interview tutoring candidates, assessing fit, skillset, and alignment with the organization's values and mission.
- Providing ongoing mentorship to students, offering expertise in React, JavaScript, debugging, etc. to support their freelancing endeavors.
- Engaging in weekly strategic planning sessions with the founder and fellow project managers to define next steps, conduct standups, and delegate tasks, such as organizing roundtable discussions for initiatives at the Grace Hopper Conference India tour.

**Marketing Internship at Skye**

**August-September 2021**

- Assisted marketing team in cultivating brand image through research and planned marketing campaigns, rollout, and start-up processes.

## TECHNICAL SKILLS

Word, Excel, Canva, Powerpoint, Java, C, Assembly, JavaScript, TypeScript, Node.js, REST APIs, Firebase, Emulators, Xcode, MongoDB, Python, SQL, HTML, CSS, React, AWS, Linux, Git, GitHub, Linear Algebra, Calculus, Algorithms, Data structures, Microsoft Office, Google Suite

- **Machine Learning Course:** <https://rb.gy/24ks98>. Learning fundamental ML, AI, and deep learning concepts by building models, neural networks, and recommender systems. Logistic regression, artificial neural network, linear regression, decision trees, recommender systems.
- **Therapy journaling app:** In progress. Dart, Flutter, Firebase, Android Studio. Developing a 5-minute daily journaling app that allows users to record mood, any further notes, and 3 things they are grateful daily to promote mindfulness and allow use in therapy sessions.
- **Portfolio website:** <https://khanakagrawal.github.io>. Made with CSS and HTML. Certain sections are not currently up to date.
- **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://tinyurl.com/datavis-insurance-smoking>

## LEADERSHIP & EXTRACURRICULARS

**Resident Advisor, University of Washington Housing Services | Seattle, WA**

**April 2024 - ongoing**

- Orchestrating effective communication channels between students and university housing services, executing administrative duties, and delivering empathetic support and resources to a community of 70 residents.
- Executing primary/secondary on-call responsibilities weekly, providing building-wide comprehensive issue resolution over 24-hour shifts.
- Collaborating consistently with 25 resident advisors and supervisors, ensuring seamless coordination and alignment of residential support.
- Completing intensive 3-week full-time training program focused on developing leadership acumen and enhancing communication skills in high-pressure situations.

**2nd Place Winner in Product Design Case Competition**

**May 2024**

- Led and collaborated with a team of 5 people in conceiving and pitching a technical product solution for Uber's accessibility pain-points.

**UW Student Organizations:** Rewriting the Code, COM2 (largest CS organization at UW), GEN1, Women in Computing, DubHacks

**Dance - Competitive and recreational (2010 - ongoing)**

**Volunteering | ISKCON, Mary's Place | Seattle, WA**

**September 2016 - Ongoing**

- Serving 180+ boxes of free food every Sunday, part of Food For Life program in UDistrict. Face-painting at large events (20,000+ attendees)
- Taught free dance classes at Mary's Place, a homeless shelter, pre-pandemic.

**Key Skills:** Collaboration, result-oriented, detail-oriented, analytical, hard-working, communication (written and verbal), creativity, problem-solving, driven, curious, time-management, planning, organization