

# Avni Kapoor

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## EDUCATION

### Simon Fraser University

BSc in Cognitive Science and Computer Science (Dean's List, GHC Scholar)

Burnaby, BC

Expected – Dec 2026

## EXPERIENCE

### Software Developer

May 2025 – Present

WorkSafeBC

Richmond, BC

- Designed and implemented a LangChain + Playwright test automation agent to simulate real user interactions across frontend flows; projected to reduce QA effort by 40% and enable scalable regression coverage.
- Built and iterated on PoCs to help product owners validate assumptions for AI-driven features, including semantic search for document relevance and tagging workflows using lightweight LLMs.
- Created a Power BI dashboard to track document transmission and surface trends for Field Services managers.

### Technical Product Management Intern

Jan 2025 – Apr 2025

WorkSafeBC

Richmond, BC

- Led development of a health and safety chatbot piloted with employers to query regulations; early tests show 80% faster response time and 42% higher satisfaction.
- Scoped QA automation project across teams; projected to reduce manual testing by 32% and improve release reliability by 50%.
- Worked with UX research and analytics to investigate and roll back a chatbot update that caused misclassification and reduced resolution accuracy.

### Data Analyst

Sept 2024 – Dec 2024

CoPilot AI

Vancouver, BC

- Conducted market research and user behavior analysis to optimize onboarding flow, boosting activation by 15%.
- Built Snowflake–Tableau dashboards to monitor KPIs, reducing reporting time by 30%.
- Supported PMs with product analytics, including funnel performance and churn segmentation.

### Associate Product Manager Intern

Jan 2024 – Aug 2024

CoPilot AI

Vancouver, BC

- Shipped user blocklist feature end-to-end, reducing unwanted interactions by 52% and saving \$115K annually.
- Launched AI-based meeting sentiment analysis, increasing core product usage by 26%.
- Delivered Retool-based tool for account tier changes, enabling CS to self-serve and saving \$140K in support costs.
- Analyzed user behavior and usage funnels to inform feature rollouts and product strategy.
- Led A/B testing and regression analysis to validate product changes and drive adoption.

### Web Developer and AI Research Assistant

Nov 2023 – Sept 2024

Rosie Lab, SFU

Burnaby, BC

- Built a React-based validation tool integrated with AWS and DynamoDB, automating checks for 3K+ audio files.
- Co-authored publication on ASR validation pipeline [link], and released dataset on Hugging Face [link].
- Improved annotation workflows by aligning model output with human QA heuristics.

## PORTFOLIO

Visit [avnikapoor.xyz](https://avnikapoor.xyz) for personal projects, writing samples, product experiments, and expanded work experience.

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, JavaScript, TypeScript, React, Next.js, Node.js, Express, Tailwind, HTML/CSS

**Backend & Infra:** PostgreSQL, MongoDB, Firebase, Supabase, AWS (Lambda, DynamoDB, S3), GraphQL

**Tools & DevOps:** Git, GitHub Actions, Vercel, Netlify, Playwright, Postman, Chrome DevTools, VS Code

**AI & Data:** OpenAI API, LangChain, FAISS, SQL, Power BI, Tableau, Streamlit

## LEADERSHIP

**Co-President**, SFU Blueprint | **President**, Cognitive Science Student Society | **Tech Events Executive**, Women in Computing Science (WiCS) | **Editor-in-Chief**, Canadian Undergraduate Journal of Cognitive Science