Aradhya Bansal

📞 (587) 436-0571 | 🖥 aradhyab.me | ✉ aradhyabansal2000@gmail.com | 🔗 aradhya-b | ⭘ Aradhya-B

EDUCATION

University of Western Ontario | Richard Ivey School of Business   Sept 2018 – April 2023
BESc – Software Engineering, Cum. GPA: 96% | HBA - Business Administration, Cum. GPA: 85%
Major Awards: National Merit Scholarship, Jackson Family HBA Leaders Scholarship, Farida & R.K. Rahemtulla HBA Scholarship

TECHNICAL SKILLS

Python, JavaScript (React), Java, C++, TypeScript, SQL, Linux/Bash, Cloud Platforms (GCP, AWS, Azure), AI/ML (Scikit-learn, Pandas)

WORK EXPERIENCE

McKinsey & Co. | *Business Analyst Intern – Toronto, Ontario*   June 2022 – August 2022
- Developed technical blueprint for an AI-enabled deal-sourcing solution for private equity arm of large institutional investor
- Mapped out private equity investment process and performed market scan of advanced analytics solutions across all stages
- Managed actuarial and product strategy workstream for diagnostic of a large insurance company; benchmarked current state against best practices and identified most significant opportunities for improvement; presented findings to CXO level leadership

Shomigo | *Software Developer – Remote*   December 2021 – June 2022
- Built Shopify marketplace application using React, TypeScript, and Express and checkout flow with Stripe integration
- Architected and built merchant-facing channel app using TypeScript and Node.js leveraging Shopify's GraphQL Admin API

Google | *Software Engineer Intern - Seattle, Washington*   May 2021 – August 2021
- Increased system reliability by 150% through designing a model in Python to identify the most critical test coverage gaps
- Escalated number of identifiable test coverage gaps by 400% after implementing robust environment diffing mechanism in SQL
- Accelerated time to fix critical cloud vulnerabilities by 84% after automating monitor/alert using Python and SQL
- Tripled user adoption rate of internal bug filing service after designing feature to configure custom bug lifecycles

Google | *Software Engineer Intern (STEP) – New York, New York*   May 2020 – August 2020
- Built application using MVC architecture and owned backend, creating a SQL schema in MySQL and developing API in Java
- Implemented and unit-tested critical features for platform's points system, note search, note categorization, and note ranking

LTV Numbers | *Software Developer – Pasadena, California*   October 2019 – May 2020
- Increased throughout of large data ingest by more than 150% after stabilizing SQL worker dispatch rates
- Added OAuth, web-hooks, historical data ingest, and logic to handle returns and cancellations

General Dynamics Mission Systems | *Software Engineer - Calgary, Alberta*   May 2019 – August 2019
- Reduced setup time by 30% for systems integration testing across organization by constructing software application GUIs in C#
- Crafted and executed interoperability test cases, identifying mission critical bugs in tactical communication systems

NOTEWORTHY PROJECTS

Voice Enabled Nutrition Assistant | *macroS ([First Place Overall out of 90+ Submissions at Hack Western 6](#))*
- Trained a natural language processing model to handle unique user intents by using Dialogflow and Actions on Google

Virtual Algorithmic Game | *KaraokeParty ([First Place Overall out of 600+ Submissions at Hack the North 2020++)](#)*
- Developed audio similarity algorithm to compare singing clips based on pitch, notes, and tone

NLP Enabled Note Enhancer | *NerualNotes ([First Place Overall out of 90+ Submissions at Calgary Hacks 2021](#))*
- Used GCP Natural Language to summarize text and extract keywords in parallel with multithreading in Python

LEADERSHIP ACTIVITIES

President | *Western Founder's Network*   September 2018 – March 2020
- Managed and hired executive team of 60+ students for largest technology and business club on campus (250+ members)

Organizer/Web Developer | *Hack Western 7, Hack Western 8*   March 2020 – November 2021
- Produced mailing site, judging app, and live site to be used by 500+ hackers using React, Material-UI, Express, and Node.js