Aradhya Bansal

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WORK EXPERIENCE

Telos (heytelos.com) | *Founding Product Manager – New York, New York*   September 2022 – December 2023
- Designed, built, and tested state-of-the-art Gen AI journaling application using Python and LangChain; launched to 200+ users
- Implemented Retrieval Augmented Generation using Vector Datastore to fine-tune LLM and provide personalised features

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 large insurance company; benchmarked current state against best practices and identified most significant opportunities for improvement; presented findings to CXO leadership

Shomigo (shomigo.com) | *Founding Engineer – Toronto, Ontario*   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
- Ideated, designed, and developed web application for a note sharing platform with teammates using Google Cloud resources
- Built application using MVC architecture and owned backend, creating a SQL schema in MySQL and developing API in Java

LTV Numbers (ltvnumbers.com) | *Founding Engineer – 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 Intern - Calgary, Alberta*   May 2018/2019 – August 2018/2019
- 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

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%
Leadership Activities: Western Founders Network (President), Hack Western (Web Developer), Mustang Capital (Quant Analyst)
Major Awards: National Merit Scholarship, Jackson Family HBA Leaders Scholarship, Farida & R.K. Rahemtulla HBA Scholarship

SKILLS AND INTERESTS

Skills: AI/ML, Gen AI (LangChain), Python, TypeScript, Financial Modelling, TypeScript, SQL, NoSQL, Vector DB, Linux, AWS, GCP
Interests: Mental Health, AI Ethics, Obesity Epidemic, Fitness, Guitar, Basketball, Hindu Mythology, Writing