

Manav Juthani

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EDUCATION

Simon Fraser University

Bachelor of Science in Data Science

Vancouver, BC

September 2020 – Present

- Data Structures and Algorithms, Introduction to Software Engineering, Operations Research, Database Systems, Data Communications and Networking

WORK EXPERIENCE

Software Engineer Intern

Boast AI

January 2025 – May 2025

Vancouver, BC

- Enhanced AI Promptly using Vertex AI by evaluating multiple LLM's and optimizing prompt engineering logic to reduce hallucinations and improve output accuracy by 90%
- Integrated bulk update features in a React based tax credit classification portal, reducing time spent on large scale data categorization for Technical Solutions Managers.
- Eliminated 500+ ESLint errors from the codebase to improve code readability and maintainability.
- Designed and improved modular, reusable frontend components using Ant Design, contributing to a cleaner, more intuitive user interface.
- Automated client invoicing and notifications for the finance team using Power Automate to reduce manual data processing by 10+ hours a month.
- Created a annual R&D spending dashboard using Power BI and SQL, delivering insights presented directly to the CTO and CFO to inform on engineering and product management decisions.

Data Science Tutor

Sep. 2023 – Dec. 2023

Burnaby, BC

- Provided one-on-one tutoring sessions in various computer science subjects such as programming, discrete mathematics, and data structures
- Assisted students in exam preparation and assignments, while monitoring progress and giving constructive feedback

PROJECTS

PomoTimer | HTML/CSS, JavaScript

April 2024

- Created a full-stack productivity web app in order for users to enjoy a seamless study experience
- Integrated authentication services from Auth0 to prioritize user data security and ease of access, leading to a more streamlined experience
- Utilized SQLite to monitor user session times, tasks, and completion status to display updated data for the user

Budget Tracker | Python

January 2024

- Built a personal budget tracker that automated finance spreadsheet updates using openpyxl and leveraged the OpenAI API to classify transactions for visual insights
- Enabled actionable financial insights which led to a 20% reduction in monthly spending

Multithread Shell Messenger | C

February 2024

- Created a messaging system allowing users on separate terminals to interact.
- Utilized datagram sockets for capturing and persisting user data.
- Ensured robust error handling and efficient resource management to maintain stable communication.

TECHNICAL SKILLS

Languages: Python, R, TypeScript, JavaScript, C/C++, HTML/CSS, SQL, Swift

Frameworks: React.js, Node.js, Selenium

Platforms and Tools: Git, PostgreSQL, Linux, Power BI, Power Automate, Metabase, OAuth 2.0, PyCharm, Git, Jira