

# Puneet North

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## Education

### Simon Fraser University

Bachelor of Science, Computer Science

GPA: 3.60

**Relevant Coursework:** Data Structures & Algorithms, Networking, Intro Artificial Intelligence, Database Management

Sep 2023 - Apr 2027 (Expected)

Burnaby, B.C

## Technical Skills

**Programming Languages:** Python, C, C++, JavaScript, TypeScript, SQL, HTML, CSS

**Frameworks & Libraries:** React, Next.js, Node.js, Express.js, FastAPI, TailwindCSS

**Developer Tools:** Git/GitHub, AWS (S3, RDS), Firebase, MongoDB, PostgreSQL, MySQL, Postman, Docker, Linux (Ubuntu)

**Concepts:** REST APIs, CI/CD (Github Actions), Agile, MVC Design, Testing (Jest/JUnit)

## Projects

**Mock Interview Minesweeper Game** | Python, FastAPI, MySQL, AWS S3, React, Google Gemini API

Mar 2025

- Designed scalable **RESTful APIs** using **FastAPI** to manage game logic and session states, enabling seamless frontend-backend integration and supporting real-time updates.
- Optimized **MySQL** database queries and schema design to store game progress efficiently, achieving sub-100ms response times for critical operations and ensuring system reliability.
- Configured and integrated **AWS S3**, setting up storage buckets and automating object creation for managing game assets and data.

**Rottify: AI Text-to-Video Generator** | Next.js, TypeScript, Supabase, Docker, Perplexity AI API, FFmpeg

Feb 2025

- Developed an AI platform using the **Perplexity Sonar AI API** to convert text into viral, TikTok-style video scripts, boosting engagement and clarity.
- Integrated **Supabase** for secure video and metadata storage, enabling efficient retrieval and playback.
- Containerized deployment with **Docker**, ensuring scalability and reproducibility across environments while reducing deployment times by **50%**.
- Designed and implemented **Next.js API** routes, handling input, metadata management and video processing using **FFmpeg**.

**Mindstream AI** | React, TailwindCSS, Node.js, Express.js, Firebase, Open AI API, Google Cloud

Dec 2024

- Developed a platform with **60+** active users, that transforms lecture notes into interactive study tools, improving accessibility and student engagement.
- Implemented UI components with **Tailwind CSS**, improving code maintainability and front-end consistency.
- Built a backend architecture with **Node.js** and **Express.js**, integrated with **Firebase** for database management, enabling real-time data storage and retrieval.
- Streamlined a **CI/CD** pipeline with **GitHub Actions**, automating deployment and integrating **Jest** for testing, reducing manual deployment errors by **25%** and speeding up release cycles.

**Cravelt** | React, TailwindCSS, Node.js, Express.js, Google Maps API

Oct 2024

- Created a full-stack application to help users find dining options and recipes tailored to their preferences.
- Deployed **RESTful API** endpoints using **Express.js**, integrating **Google Maps API** for dynamic restaurant location search and **MealDB API** for tailored recipe recommendations

## Experience

### JYSK Canada

Sales Colleague

Jul 2022 - Sep 2023

Delta, B.C

- Delivered exceptional customer service by assisting shoppers with product selection and resolving inquiries, contributing to a **15%** increase in positive google reviews.
- Maintained accurate records of inventory and transactions, ensuring seamless store operations and reducing stock discrepancies by **10%**.
- Resolved an average of **50+** customer inquiries per shift, improving satisfaction and operational efficiency.