

Puneet North

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Education

Simon Fraser University

Bachelor of Science in Computer Science

GPA: 3.60

Sep 2023 - Dec 2027 (Expected)

Burnaby, B.C

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

Technical Skills

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

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

Developer Tools: Git/GitHub, Supabase, Firebase, MongoDB, PostgreSQL, MySQL, Postman, Jest, Docker, Linux (Ubuntu)

Concepts: REST APIs, CI/CD, Agile, CRUD, MVC Design, Testing

Projects

Rottify: AI Text-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 videos, 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, video processing, and metadata management.

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

Dec 2024

- Developed a study platform that transforms lecture notes into interactive tools (flashcards, quizzes, summaries, podcasts), improving accessibility and student engagement.
- Designed a responsive and user-friendly interface using **React** and **TailwindCSS**, driving a **30%** boost in user interaction.
- Built a backend architecture with **Node.js** and **Express.js**, integrated with **Firebase** for database management, enabling real-time data storage and retrieval.
- Implemented 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
- Optimized client-side navigation with **React Router**, reducing page load times by **25%** and delivering a smoother user experience.

Jobs Application Board | React, TailwindCSS, Vite, JSON Server

Sep 2024

- Built a Jobs Board application using **React** that allows users to view, add, and edit job postings sourced from a mock **JSON Server**.
- Implemented **CRUD** functionality (Create, Read, Update, Delete) for job listings, resulting in an intuitive and seamless job management experience.

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%**.
- Optimized store layout and displays to boost product visibility, resulting in an uplift in monthly sales.