KHALID KARIM

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EDUCATION

Simon Fraser University, Burnaby, BC   **Expected Graduation Date: Sep 2026**
*Bachelor of Applied Sciences in **Computer Science***

EXPERIENCE

Full-Stack Developer   **Oct 2024 - Feb 2025**
CJSF 90.1FM Radio   *Burnaby, BC*
- Developed and deployed a **responsive** web application using **Next.js** and **Node.js**, optimizing performance and user engagement.
- Configured and **integrated Strapi CMS** with Next.js, enabling dynamic content management and streamlining workflows for non-technical users.
- Collaborated on feature implementation and used **Git for version control** to maintain efficient code management and deployment pipelines.

Backend Developer   **Sep 2024 - Dec 2024**
Horizon Expedition   *Burnaby, BC*
- Built scalable server-side systems in **C** for a **Unity** multiplayer game, optimizing data handling and performance.
- Developed real-time synchronization for seamless **client-server communication**.
- Collaborated with frontend developers to integrate APIs and enhance gameplay.

PROJECTS

Resumate | GitHub | Website | *React / Tailwind / Vitest / API Calls*   **Feb 2025 - Present**
- Built an **AI-powered resume and cover letter** assistant using **OpenAI GPT-4 and JSearch API**, enabling intelligent resume scoring, tailored cover letter generation, and real-time job matching.
- Integrated **resume parsing, keyword extraction,** and company insights into a responsive React + ShadCN UI interface, using **Jotai** for state, **Axios** for API calls, and **pdf-parse** for document handling.
- Deployed via **Vercel** with Tailwind CSS, **React Router**, and **CI/CD pipelines**; used **Git and GitHub** for version control, code reviews, and efficient team collaboration.

Crypto Chatbot | GitHub | Website | *TypeScript / Vercel AI SDK / Tailwind*   **Feb 2025 - Mar 2025**
- Pioneered an **AI crypto** assistant integrating **GPT-4** with Kraken and CoinMarketCap for **instant market insights.**
- Engineered a streaming chat interface with Next.js 14, **React Server Components**, and **Vercel AI SDK** for enhanced **engagement**.
- Optimized performance using **Tailwind CSS**, shadcn/ui, and Bun to **reduce load times** and ensure consistency.

3D Book Slider | GitHub | Website | *Three.js / React / Javascript / Jotai*   **Feb 2025 - March 2025**
- Created a 3D book experience with realistic **page turns** using Three.js, **React Three Fiber**, and custom **vertex shaders**.
- Enabled interactive controls, immersive audio, and dynamic textures using **Jotai, Web Audio API**, and **useTexture**.
- Delivered a **responsive, high-FPS interface** with React, Vite, and Tailwind CSS, deployed via **Vercel**.

RoamCraft | *React / NodeJS / MongoDB / Express*   **Oct 2024 - Jan 2025**
- Built a **MERN stack tour booking app** with **REST API**, user authentication, and Stripe payments.
- Designed a **responsive React frontend**; optimized backend with **geospatial queries** and aggregation.
- Implemented **admin dashboard, user role management, and booking logic** with **real-time updates.**

TECHNICAL SKILLS

Languages/Databases: Python, C/C++, C#, MATLAB, SQL, JavaScript, HTML/CSS, MongoDB, Firebase
Frameworks: React, Next.js, Three.js, Node.js, TensorFlow 2.0, Express, Unity, Tailwind CSS
Developer Tools: Git, VS Code, PyCharm, Google Colab, Jupyter, Conda, Stripe, Parcel, Babel, Strapi, Figma
Libraries: Pandas, NumPy, Matplotlib, SciKit-Learn, Seaborn, Keras, Mongoose, Leaflet, Mirror