

Amraj Koonar

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Java, Python, C, C++, SQL (PostgreSQL), GraphQL

Frameworks: React.js, Next.js, Node.js, ExpressJs, Socket.io, Spring Boot, Vue.js, Tailwind CSS

Developer Tools: Docker, AWS, MongoDB, Cypress, Git, GitHub, Mocha, Vite

Transferable Skills: Problem-solving, teamwork, communication, time management, adaptability

PERSONAL PROJECTS

DeepPhishing | *Next.js, React, Tailwind CSS, Shadcn/ui, OpenAI API, JavaScript* Jan. – April 2025

- Built a cybersecurity tool that detects phishing attempts using AI-powered email and file analysis.
- Integrated multiple RESTful APIs to detect malware using URL, file, and email scanning tools.
- Followed the full SDLC in an Agile team to develop and deploy security features using a CI/CD pipeline with automated testing, staging, and user-driven iteration on Vercel.

FoodConnect | *React, TypeScript, Tailwind CSS, ExpressJs, PostgreSQL, AWS* Jan. – April 2025

- Developed an online donation platform connecting food donors and recipients, featuring a marketplace.
- Integrated a secure login/signup system with role-based access for donors and recipients.
- Implemented real-time chat with Socket.io and map integration for location-based food listings.

SportoQuiz | *Next.js, React, TypeScript, Tailwind CSS, OpenAI API* Apr. 2025 – Present

- Developed a sports trivia platform with themed quizzes and a real-time leaderboard for top scorers.
- Utilized OpenAI API for dynamically generating questions using player data fetched from the balldontlie API.
- Implemented a CI/CD workflow to ensure fast, consistent updates across development and production.

ThinkForge | *Next.js, React, JavaScript, Tailwind CSS, OpenAI API* Apr. 2025 – Present

- Developed a study tool for students to generate custom AI quizzes from uploaded notes using OpenAI API.
- Implemented Framer Motion for smooth animations and React Scroll for seamless navigation.
- Applied the full SDLC in an Agile team structure to plan, develop, test, and deploy new features.

EXPERIENCE

SFU Computer Science Peer Tutor Dec. 2024 – Present

Simon Fraser University

Burnaby, BC

- Improved communication by helping students grasp recursion, dynamic programming, and other complex topics.
- Guided students in debugging and explained fundamental concepts in Python, Java, and C++.

SFU Calculus I & II Peer Tutor Sept. 2023 – Present

Simon Fraser University

Burnaby, BC

- Strengthened problem-solving by simplifying advanced calculus for better understanding.
- Demonstrated critical thinking and adaptability to assess student needs and suggest personalized strategies.

Courtesy Clerk July 2022 – Nov. 2023

Real Canadian Superstore

Burnaby, BC

- Managed multiple tasks efficiently in a fast-paced environment, showcasing communication and adaptability.
- Strengthened problem-solving, critical thinking and teamwork by helping customers and streamlining daily tasks.

RELEVANT COURSEWORK

CMPT 276 - Introduction to Software Engineering

- Integrated and applied the Software Development Life Cycle (SDLC) with a focus on Agile methodologies.
- Practiced team collaboration using version control, code reviews, and CI/CD workflows.
- Utilized RESTful APIs in team projects, handling data exchange and endpoint consumption in full-stack projects.

CMPT 225 - Data Structures & Programming

- Implemented and analyzed linked lists, stacks, queues, trees, AVL trees, and hash maps.
- Practiced object-oriented design, memory management, and debugging in C++.

EDUCATION

Simon Fraser University | B.Sc. in Computing Science Sept. 2022 – Present

Recipient of the SFU Computing Science Undergraduate Student Society Award valued at \$3200.