Gursewak Singh

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EDUCATION

Simon Fraser University   April 2023 – December 2025
Bachelor of Science in Computer Science   *Burnaby, BC*
Relevant Coursework: Software Engineering, Linear Algebra, Discrete Mathematics

Douglas College   January 2019 – December 2020
Diploma in Computer Studies   *New Westminster, BC*
Relavant Coursework: Network Security, DSA, Web Development

SOFTWARE & SKILLS

Technical Skills: Python, JavaScript, C/C++ (intermediate), SQL, Java, HTML/CSS, Bash
Frameworks: React, Node.js, Django, Flask, JUnit
Developer Tools: Git, Docker (intermediate), GitHub Actions, Vim, tmux, VS Code
Libraries: pandas, NumPy, Matplotlib
Operating Systems: Linux (Arch / Debian), Windows

PROJECTS

CodeMentor AI | *Python, npm, ChakraUI, React, GitHub Actions*   September 2023 – December 2023
- Led a 4 member team to create a web application "CodeMentor AI", using React, Chakra UI and Python to build a responsive UI implementing features like AI chat bot and code analyzing.
- Utilized GitHub actions and Netlify to set up a CI/CD pipeline for automatic deployment of the project.
- Used Jest and Selenium for unit and integration testing.
- Integrated Steamship API to use several LLM models for chat bot and code analyzer bot.

Book Review Site | *Django, React, WebSockets, PostgreSql*   December 2021 – January 2022
- Created a full stack web application using Django, ReactJs, and PostgreSQL with user authentication, and CRUD operations.
- Consumed GoodReads api for gathering information about books and displaying the stats to user.
- Implemented features to allow users to update their profiles, post, delete and change reviews for books.
- Utilized PostgreSQL to efficiently store and retrieve data for the application.

VOLUNTEER EXPERIENCE

CS Peer Tutoring   September 2023 – December 2023
SFU Computing Science program   *Burnaby, BC*
- Provided one-on-one and group tutoring for 5 courses.
- Helped students with C++, C and python assignments and pointed them to the right direction.
- Assisted over 30 students, with many reporting significant improvement in grades and understanding of the material.

WORK EXPERIENCE

Vehicle Technician (Supervisor)   August 2022 – Present
Speed Truck and Trailer Repair   *Surrey, BC*
- Diagnosing and finding electrical and mechanical problems with commercial transport trucks.
- Assigning work to employees to fix the faults found during diagnostics.
- Managing a team of 12 people to finish the daily quota of work proficiently.
- Improved efficiency of shop by over 50% in completing work on time.

ADDITIONAL INFORMATION

Interests: Reading, Badminton, microcontrollers, robotics.
Fun Projects: Atreus mechanical keyboard using RaspberryPi Pico.
Certification & Qualifications: Certified Commercial Transport Technician.