

TEDDY MALHAN

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EDUCATION

Simon Fraser University

Bachelor of Science in Computer Science (GPA 4.25/4.33)

Burnaby, BC

May 2027

EXPERIENCE

Full Stack Engineer

Jan. 2024 - April 2024

Google Developer Student Club SFU (Hack-The-Sem)

Burnaby, BC

- Led the development of GradGains, a social investment platform for Simon Fraser University students, over a 4-month Hack-The-Sem initiative, enhancing student interaction with financial markets.
- Directed full-stack development tasks, improving platform usability and user engagement using modern technologies including React, Next.js, TailwindCSS, Drizzle ORM, and Supabase.
- Mentored by a seasoned Amazon engineer; applied advanced scalable development practices to ensure robust application performance.
- Navigated high-pressure deployment scenarios successfully, which contributed to the project winning the 'Best Project' accolade among four competitive teams, including those with senior students.
- Chosen from a pool of over 400 candidates to contribute to this elite software development challenge.

Information Technology Intern

May 2023 - Aug. 2023

AAPI Charitable Hospital

Remote (Ontario)

- Optimized IT infrastructure at a medical facility by identifying and mitigating bottlenecks using monitoring tools, improving system reliability and performance.
- Implemented and refined network security protocols using IDS and pfSense firewalls, enhancing protection against cyber threats.
- Upgraded network hardware and software, including Cisco routers and switches, and configured TCP/IP and VLAN settings for improved network efficiency.
- Diagnosed and resolved technical issues in collaboration with the IT team, leveraging Wireshark for network analysis and PowerShell for scripting and automation tasks.

PROJECTS

PotholeTracker | Next.js, React, Flask, Tesseract, Docker

January 2024 - Present

- Led the development of PotholeTracker, a civic platform for public pothole reporting to promote governmental accountability.
- Managed a team of three, driving the project from initial concept through to production with strategic use of modern web technologies and containerization.
- Implemented Tesseract OCR within a Flask-based backend to automate data extraction from images, enhancing data entry efficiency.
- Designed and executed a scalable infrastructure using Docker, which streamlined deployment processes and improved development workflow.
- Developed REST and GraphQL APIs, achieving a 50% increase in data retrieval speed and enhancing the responsiveness of the user interface.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, NextJS, ShadCN, Aceternity

Developer Tools: Git, Docker, Supabase, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

Courses: MACM 101 (A+), CMPT 125 (A+), MATH 150 (A+)