

ABHISHEK POKHREL

ON, Canada

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Education

Algoma University

ON, Canada

Bachelor of Science, Computer Science

Expected Sep, 2026

- Coursework: Computer Architecture, Data Structures and Algorithms I/II, Database Systems, C/C++ Programming, Linear Algebra, Discrete Mathematics I/II, Calculus.

Experience

Front-End Developer

Aug 2021 - June 2022

Himalayan Tech Org

Bharatpur, Nepal

- Developed user-friendly interfaces using modern front-end technologies such as React.js and Tailwind CSS.
- Collaborated with cross-functional teams to ensure high customer service satisfaction.
- Optimized website performance, reducing load times by **20% through caching**.

Front-End Intern

Mar 2021 – July 2021

Himalayan Tech Org

Bharatpur, Nepal

- Web Development: Refactored features and relevant front-end implementations into ReactJS; patched front-end display experience based on users and UI/UX designer feedback.

Projects

Distributed File System Simulator | C++

Nov 2023

- Developed a distributed file system simulator to model file storage and retrieval across multiple nodes.
- Implemented a consensus algorithm to ensure consistency and fault tolerance during file replication.
- Optimized data access patterns, reducing file lookup time and improving system throughput by 30%

Full Stack Social Media Application | MongoDB, ExpressJs, ReactJs, NodeJs, C++

Oct 2023

- Developed a comprehensive full stack social media application using MERN Stack implementing CRUD Operations
- Leveraged sophisticated Page Ranking Algorithm and Huffmans Coding Algorithm in C++ and merged with MERN
- Implemented a secured authentication system for users using Bcrypt.

Terminal Command-Line Shell | C++, GNU/GCC

Dec 2024

- Built a custom command-line shell in C++ with features like pipe handling, I/O redirection, and process control using fork, exec, and signals.
- Enhanced usability with searchable history, dynamic prompts, and environment variable handling.

jrHire | Flask, JavaScript, Tailwind, Bcrypt

Dec 2024

- FullStack web application created for online job posting for Interns, and trainees.
- Full Authenticated System implementing Blowfish algorithm for secured credentails.
- Aims to create a streamlined, user-friendly experience that benefits both job seekers and employers.

Technical Skills

Programming Languages: C/C++, JavaScript, Python, SQL, CUDA, Java.

Frameworks: Node.js, Django, Material UI, Tailwind, React.js.

Developer Tools: VS Code, Eclipse, Postman, Dev C++, PyCharm, IntelliJ, Microsoft Azure.

Libraries: NumPy, OpenCV, Pandas, Matplotlib, TensorFlow.