Hetang Mehta

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Technical Skills

Languages: Python, C++, C#, VB, JavaScript, Java, Swift, MatLab, React JS, SQL, Blazor
Tools/Frameworks: NodeJS, Spring Boot, Git, Selenium, Tkinter, PyQt, HTML, CSS, SQL Server, .NET, Oracle, DevOps, Azure
Miscellaneous: Full-stack Development, Web development, Android App Development, IOS App Development, REST API, Data Decoding, Multithreading, Software testing and debugging, Agile Methodology, object-oriented design

Professional Experience

Canadian Natural Resources Limited – CNRL   **Jan 2024 – Aug 2025**
Software Developer Student
- Developed a visual analytics PWA from scratch, using .NET, Blazor, C#, PL/SQL, and APIs, and deployed it via CI/CD Azure pipelines. The app enabled 500+ engineers in access/manage well production data, boosting operational efficiency by 30%.
- Refactored a 5+ year-old Oracle PL/SQL architecture to eliminate technical debt and support new features, reducing quarterly bug occurrences by 33%, saving 3x the app maintenance/support cost.
- Implemented 300+ unit tests using VB.Net Testing suite for 20 critical Budget calculations, reducing testing time from 10 days to 4 minutes, significantly improving efficiency and reliability.
- Converted a legacy VB.NET application (MAWL) into a PWA using Blazor, streamlining the management of well details (name, location, responsibilities, hierarchy) for CNRL engineers, improving data accessibility and operational efficiency while eliminating the need for a virtual Windows 10 PC/XenApp.
- Developed budgeting procedures and UI enhancements from scratch in VB.NET and Oracle PL/SQL, enabling senior management to make informed business decisions and improving profit estimation accuracy while enhancing user experience.
- Debugged and developed fixes using a CI/CD pipeline to resolve critical production issues, which improved overall application stability and reduced downtime.

Suncor Energy   **Sep 2023 – Dec 2023**
Engineering Intern
- Developed automation tools using Python, which resulted in saving 30 hours of work for tasks such as maintaining, updating, creating and manipulating data within SAP.
- Created analytical, informative, and appealing data visualizations using tools like Python and Power BI to assist teams in making data-driven decisions.
- Cleaned and processed large datasets using Python, VB, and Excel to ensure data quality and accuracy while complying to company standards for recording and managing the given data; therefore, improving the reliability of subsequent analyses.

Projects

Boxed [GitHub Repo][Live Project]   **February 2025**
- A Google Drive Replica using React.JS and AWS

Chess App [GitHub Repo]   **January 2022 – Present**
- An IOS application using Swift and X-code that allows a user to play a 2-player game of chess.

Leadership Experience

Intern Social Committee at CNRL, *Communications Coordinator*   **Jan 2024 – Aug 2024**
- Promoted various networking opportunities for interns at CNRL.
- Responsible for all communications representing the Intern Social Committee.
- Managed all promotions and assisted in organizing more than 10 events alongside the two club presidents.

Computer Engineering Club, *PR representative*   **Sep 2022 – Sep 2023**
- Promoted and assisted in organizing GEER week events alongside another PR rep. and two club presidents.
- Responsible for paperwork, registration documents, and coordinating deadlines pertaining to GEER week.

The Nest [School Store], *Manager*   **Dec 2018 – June 2021**
- Led a team of 5 to run and manage the entirety of the School Store at Joane Cardinal Schubert High School
- Achieved to 5x the expected profits within 1 month, which resulted in production of personalized merch.

Education

University of Alberta   **Sep 2021 – April 2027**
Computer Engineering, BSc Co-op Program