

Yash Babariya

📍 Edmonton, AB, CA ✉ babariyayash9200@gmail.com ☎ +1-7807074621

in yash-babariya 🌐 Babariyayash 🌐 Portfolio

Education

University of Alberta

BSc in Computer Science

Sept 2021 – May 2025

- **Certifications:** Fundamentals of Reinforcement Learning [🔗](#), Simple Based Learning Methods [🔗](#), Prediction and Control with Function Approximation [🔗](#), Advanced Learning Algorithms [🔗](#), Exploratory Data Analysis for Machine Learning [🔗](#), Version Control [🔗](#), Programming with JavaScript [🔗](#)

Experience

Software Engineer Intern

Perfect Rentals Ltd.

Edmonton, AB

April 2023 – Aug 2023

- Designed and implemented robust web-based solutions to enhance the car reservation system, improving user experience and streamlining the booking process.
- Collaborated with the design team to create user-friendly interfaces using Figma and React, resulting in a 20 percent reduction in user drop-offs during the booking process.
- Integrated third-party APIs for real-time vehicle availability, pricing updates, and payment gateways to ensure a seamless and automated rental experience.
- Conducted system testing, bug fixes, and performance optimizations to ensure a reliable and scalable platform for customers.

Software Developer Intern

Whistling Solutions.

Edmonton, AB

April 2022 – Dec 2022

- Designed and developed scalable web applications using Python and JavaScript, enhancing functionality for client-facing systems.
- Optimized database queries and implemented efficient data storage solutions using MySQL, improving application performance by 25
- Built and integrated RESTful APIs to enable seamless communication between front-end and back-end systems.
- Participated in peer code reviews, ensuring adherence to coding standards and fostering team collaboration to maintain code quality.

Projects

AI-DataAnalysisAgent

[Github](#) [🔗](#)

- Developed an AI-driven tool that enables users to upload datasets, query data, and generate dynamic visualizations. Integrated LangChain agents for natural language interaction with data.
- Tools Used: Python, LangChain, LangGraph, Streamlit, Plotly, Pandas

Sales Conversational AI Agent

[Github](#) [🔗](#)

- Developed an AI-powered sales assistant to streamline sales interactions using conversational AI, text-to-speech (TTS), and real-time processing. Enhanced customer engagement with customizable prompts and seamless API integration.
- Tools Used: Python, LangChain, OpenAI API, Deepgram SDK, asyncio, dotenv, ffmpeg

Event Management Application

[Github](#) [🔗](#)

- Developed an Android-based event management application enabling attendees to check in using QR codes and organizers to track attendance, manage event details, and send notifications.
- Tools Used: Android Studio, Java, Firebase, Google Maps API

Skills

Languages: Python, C++, C, Java, SQL, JavaScript, HTML, CSS, Swift

Frameworks: TensorFlow/PyTorch, LangChain, Plotly/Dash, SwiftUI, React, Flask, .NET, Streamlit

Tool: Git, Docker, Figma, Tableau, Jira, AWS, MongoDB, MySQL, PostgreSQL, Firebase