

Krish Rajani

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EDUCATION

University of Alberta

Edmonton, AB

BSc (Honors) in Computing Science

Aug 2023 – May 2027

- Relevant Courses: Programming Methodology, Discrete Math, Algorithms I, Machine Learning I, Computer Vision, File and Database Management, OOP

EXPERIENCE

IT Service Desk Intern

Sept 2025 – Present

Apex Utilities

Leduc, AB

- Developed PowerShell automation scripts to streamline IT operations, including a file management tool that standardized **650+ filenames** and reduced manual processing by **2+ hours weekly**.
- Contributing to requirements gathering and system design for an AI agent projected to automate **50+ support tickets** and reduce IT workload by **3+ hours weekly**.

Software Engineer Intern

May 2025 – Sept 2025

Wrise

Calgary, AB

- Implemented a full-stack AI platform using **TypeScript** and **React** in an agile development environment to process **6+ hours** of social media content per creator.
- Optimized video transcription pipeline, cutting processing time by **64%** by eliminating redundant API calls.
- Led development of an AI-powered chatbot using **LangChain** and **GPT-4.1** with retrieval augmented generation, achieving **99% relevance** in internal testing.

PROJECTS

[FuelWise](#) | *MongoDB, Express.js, Node.js, React.js*

- Developed a fuel recommendation app that helps users achieve up to **8% cost savings** and **7% volume gain** by analyzing live station pricing and geolocation.
- Reduced Google Maps API usage costs by **80%** by implementing user-triggered fetch logic, improving performance and lowering latency during fuel-station retrieval.
- Ranked fuel stations by distance and price using Google Maps API, enabling accurate travel time estimates and smarter fuel recommendations.

[HealthIQ](#) | *Python, React.js, scikit-learn, Docker*

- Built a preventive health dashboard with **Python**, **TypeScript**, and **React** that predicts chronic disease risk in real time using a machine learning model with **83% prediction accuracy**.
- Containerized the app with **Docker** and set up **CI/CD** with automated **testing** on GitHub Actions, reducing release time by **30%**.

[Silent Signal](#) | *React.js, AWS, Python*

- Collaborated to build a real-time noise violation detector using **React**, **Python**, **AWS Lambda** and Google's **YAMNet** model, achieving **95% accuracy** across **521+ sound categories**.

LEADERSHIP EXPERIENCE

Assistant Director, CSW (TeamUp Science)

May 2024 – May 2025

Edmonton, AB

- Organized and taught Python fundamentals to **20+** high school students during a workshop, improving coding fluency through live exercises.
- Coordinated with mentors and volunteers to develop engaging lesson plans, emphasizing collaboration in curriculum design and student support.

TECHNICAL SKILLS

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

Frameworks & Libraries: ReactJS, NodeJS, ExpressJS, Redux, PyTorch, TensorFlow, scikit-learn

Databases & Cloud: PostgreSQL, MySQL, MongoDB, Amazon Web Services, Microsoft Azure, Google Cloud Platform

Developer Tools: Git/GitHub, Postman, Docker, Linux, Windows