

HITARTH KOTHARI

✉ hitarthkothari03@gmail.com ☎ 8253439099 🌐 <https://www.linkedin.com/in/hitarth-kothari/> 📄 <https://github.com/Hitarth-Kothari>

EXPERIENCE

Teachers Assistant

University of Alberta Student Union

September 2022 - April 2024, CA, Ab, Edmonton

- Managed project timelines and guided student teams in CMPUT 401, enhancing project delivery and engagement, and facilitated client meetings to align project requirements with course objectives.
- Supported course design and grading, and delivered instructional lectures and tutorials, significantly boosting student understanding and performance in complex technical subjects.

Developer

Single Parent Life App

September 2023 - December 2023, Edmonton

- Developed and launched a cross-platform MVP app using Flutter and Firebase, achieving deployment on iOS and Android platforms, while also engineering both front-end and back-end components to ensure robust, scalable functionality and a seamless user experience.
- Served as Scrum Master, leading a development team through four successful sprint cycles and spearheading client-developer meetings to enhance team productivity and ensure clear communication and alignment on project requirements.

PROJECTS

Rebar Cutting Using Column Generation

- Developed and optimized a 1D rebar cutting code, significantly reducing material waste and improving efficiency in the construction industry by customizing and refining algorithms based on comprehensive research of published articles.
- Contributed to a collaborative research paper that details methodology and outcomes, slated for future publication in an academic journal, demonstrating real-world application and performance of the developed system.

Edmonton House Price Estimation

- Developed a dynamic R dashboard for displaying Edmonton house prices, enhancing data visualization and user interaction through customizable, real-time search parameters tailored to user specifications.

Gravity Shooter

- Collaborated with a team of six to design and develop a gravity shooter PC game, leveraging Unreal Engine 5 to create immersive gameplay and advanced graphics.

Android Video Game - Instinct

- Developed a captivating Android video game using Unity, featuring multiple levels with intricate gameplay, designed to enhance player engagement and interaction.
- Engineered complex game logic and leveraged Unity's advanced capabilities to optimize smooth performance and visually appealing graphics across various Android devices.

EDUCATION

Computer Science - Honors

University of Alberta • Edmonton, Alberta • 2024

CERTIFICATIONS

IBM Data Analyst Professional Certificate

Coursera

Reinforcement Learning Specialization

Coursera

Google Data Science Certification

Coursera

SKILLS

Python, C, C++, Java, Julia, R, SQL, HTML, CSS, Unity, Unreal Engine, Flutter, Firebase, Android Studio, Cybera RAC, Docker, Kubernetes, Git, Jenkins, MySQL, PostgreSQL, MongoDB, AWS, Azure, Google Cloud, Tableau, Power BI, Linux, Windows, MacOS, Scrum, Kanban.