

# Arshvir Mundi

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## TECHNICAL SKILLS

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- Programming Languages - C, Java, Python, JavaScript, HTML, CSS
- Web Technologies & Frameworks - React, Next.js, Vue, Nuxt, React Native, Tailwind
- Development Tools & Databases - Firebase, PostgreSQL, Supabase, MongoDB, Figma, Manim, Git/Github

## PERSONAL PROJECTS

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### Torial: Explainer Video Platform

May 2025 - Jan 2026

- Converts user's prompt into an engaging video explanation in seconds
- Validates user input, generates Manim code with Claude, renders the video on Google Cloud, stores results in Firestore
- Acquired by a YC EdTech company

### Nodsgy: Document-to-speech Tool

Aug 2024 - Jan 2025

<https://nodsgy-audio.vercel.app>

- Converts documents into AI-generated audio explanations using OpenAI's TTS API
- Includes playback controls, summary points, user authentication with Firebase, and Stripe payment integration
- 5,000+ audio explanations created with 300 signups

### Academates: Homework Help Forum

Sept 2023 - April 2024

<https://academates.netlify.app>

- A site where students could ask/answer questions regarding their homework - used with React and CSS for the UI
- It consisted of subject focused forums, lazy scrolling, and a real time chat functionality using Firebase's Firestore

### Streamerloot: Gaming Equipment Store

Jun 2022 - Sept 2022

<https://streamerloot.netlify.app>

- An e-commerce website showcasing gaming equipment used by popular streamers
- Built with HTML, CSS, Bootstrap, and JavaScript featuring individual streamer pages and product displays

## WORK EXPERIENCE

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### ESG Tree

June 2024 - Aug 2024

Software Engineering Intern

Waterloo, ON

- Developed a Carbon Calculator using React, CSS, and Firebase while taking ownership of diverse challenges
- Implemented APIs for the web application and generated test data using Python which came in use during testing
- Demonstrated strong team collaboration, punctuality, and consideration during team meetings

## EDUCATION

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### University of Guelph

Sept 2024 - Present

Bachelor of Computing, Software Engineering (Co-op)

Guelph, ON

- Completing a minor in Business
- Executive at Guelph Sikh Student Association

### Key Academic Projects:

- CLI Musical Playlist Manager (2024): Built a command-line program using C to add, remove, and organize songs in playlists using dynamic memory and file operations to save playlist data between sessions
- Statistics Canada Population Data Analysis (2025): Worked with team of 4 to create Python program that finds patterns in population data with the help of Python libraries to show connections between family size and education levels

## EXTRA-CURRICULAR EXPERIENCES

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### Guelph Punjabi Association

Jan 2025 - Present

Event Co-ordinator

Guelph, ON

- Help organize cultural events and activities for Punjabi students on campus
- Work with team to plan community gatherings and promote cultural awareness

### JamHacks

Sept 2023 - June 2024

Logistics Executive

Waterloo, ON

- Co-ordinated merchandise orders by communicating with vendors to ensure proper delivery of required items
- Served as a mentor, offering guidance and support to students by answering general questions, providing assistance in web development and other programming related questions