

# Aryan Patel

(437) 488-4801 | [aryanr.patel@mail.utoronto.ca](mailto:aryanr.patel@mail.utoronto.ca) | [GitHub](#) | [LinkedIn](#) | [Website](#)

## EDUCATION

### Honours Bachelor of Science, Computer Science (Co-op)

University of Toronto Scarborough

Sept 2024 – Present

CGPA: 3.64/4.00

- Specialist Program in Software Engineering, Major Program in Statistics

## COURSEWORK

- Computer Science** | Data Structures & Algorithms, Object Oriented Programming, Unit Testing, Efficiency and Time Complexity Analysis, Version Control, Unix/Linux Systems, Shell Programming
- Mathematics** | Discrete Mathematics, Linear Algebra, Calculus

## EXPERIENCE

### Technology Associate

Computer Science Enrichment Club – UofT Scarborough

Sept 2024 – Present

Scarborough, ON

- Preparing to contribute to upcoming workshops and events by actively learning and strengthening relevant technical skills.

### Events Director

Hindu Student Community – Fort Richmond Collegiate

Sept 2023 – June 2024

Winnipeg, MB

- Planned and organized cultural events, and helped plan weekly club meetings by coordinating logistics, preparing agendas, discussions, and ensuring smooth execution.
- Actively contributed ideas during meetings to increase engagement and worked to involve more students through outreach and promotion.

### Peer Tutor

Fort Richmond Collegiate

Sept 2023 – June 2024

Winnipeg, MB

- Delivered 1-on-1 tutoring in Mathematics, Computer Science, Physics and Chemistry, using tailored explanations to meet individual learning gaps, leading to their improved academic performance.

## PROJECTS

### Audiofy – PDF to MP3 Converter | *Flask, SQLite, Python, Gemini API, Bootstrap, HTML5, CSS3*

- Developed a full-stack web application that converts PDF documents to MP3 using gTTS (Google text-to-speech library), enabling users to access their files in audio format for on-the-go listening.
- Integrated PyPDF2 and Gemini API to extract text from the PDF and summarize the content, resulting in enhanced quality.
- Implemented SQLite to store uploaded files and generated MP3 paths, making it easy to access them through Flask routing.

### Brain Tumor Detection Model (MRI Classification) | *Python, Scikit Learn, NumPy*

- Built a machine learning classification model to detect brain tumors from MRI scans using a dataset of 5200+ labelled images.
- Pre-processed images and data with Pillow and NumPy by resizing, and converting images to grayscale for better consistency, leading to 98% accuracy.

## TECHNICAL SKILLS

**Languages** | Python, Java, JavaScript, C, SQLite, HTML5, CSS3

**Frameworks** | Flask, Bootstrap

**Libraries** | Pandas, NumPy, Matplotlib, Scikit Learn, Jinja

**Developer Tools** | Git, GitHub, VS Code, Bash, Linux