Aryan Patel

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EDUCATION

Honours Bachelor of Science, Computer Science (Co-op) **Sept 2024 – Present**
University of Toronto Scarborough 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 **Sept 2024 – Present**
Computer Science Enrichment Club – UofT Scarborough Scarborough, ON

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

Events Director **Sept 2023 – June 2024**
Hindu Student Community – Fort Richmond Collegiate 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 **Sept 2023 – June 2024**
Fort Richmond Collegiate 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
Developer Tools | Git, GitHub, VS Code, Bash, Linux