

ABHIJEET PRAVEEN

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Education

McGill University & MILA

Sep. 2024- Apr. 2026

Master of Science in Electrical & Computer Engineering - Artificial Intelligence, **GPA: 4.0/4.0** Montreal, QC, Canada

- **Multimodal Learning Research** at the iSmart lab under the supervision of Professor Narges Armanfard.

McGill University

Sep. 2020- Apr. 2024

Bachelor of Engineering Computer Engineering, Minor: Applied Artificial Intelligence, **GPA: 3.8/4.0** Montreal, QC, Canada

- Quebec Government Excellence Bursary for maintaining high GPA

Experience

Graduate Student Researcher

August 2024– Present

iSmart Lab at MILA & McGill

Montreal, QC, Canada

- Conducting advanced multimodal learning research focusing on early, late, and intermediate fusion techniques across audio, video, text, and tabular data.
- Utilizing **large language models**, **convolutional neural networks** and **reinforcement learning** to drive innovations in healthcare, industrial automation, and computer vision applications.
- Collaborating in a team of four, engaging with external teams through presentations and daily standups to ensure project alignment and successful delivery.

Machine Learning Developer & Founding Member

June 2023– July 2024

ARVO A.I. (McGill backed Startup)

Montreal, QC, Canada

- Helped initiate and **spearheaded** a diverse team comprising of 10 **R&D** developers and 10 software developers.
- Developed the R&D team's **research structure**, completed project assignments within tight deadlines.
- Developed R&D team's **market strategy research framework** to analyze ongoing business trends.
- Independently worked on **Hyperspectral Imaging Analysis** for Alzheimer's Research

Software Developer Intern

May 2023– Aug. 2023

Hivestack Inc.

Montreal, QC, Canada

- Collaborated with a dynamic software team, gaining hands-on experience in developing and maintaining applications.
- Leveraged a comprehensive skill set encompassing both front-end and back-end technologies.
- Contributed to the successful delivery of products that adhered to **user requirements**.
- **Tools:** Python, Vue.js, JavaScript, JIRA, Confluence

Business Intelligence Development Intern

May 2022– May 2023

Western Alliance Logistics

Kirkland, QC, Canada

- Contributed to projects implementing an **automation** of day-to-day business activities.
- Used **RPA** (Robotic Process Automation) technologies to decrease time taken in completing tasks by transforming them into a fully automated program.
- Decreased time consumption by a factor of **100** from 5 hours in a day to 3 minutes.
- **Tools:** Python, Microsoft Power Automate, Microsoft Power BI

Projects

Multinational Fantasy Soccer League | www.mfsl-game.ca

Sep. 2023- Apr. 2024

- Design project taken up in collaboration with three other software developers.
- MFSL is a **full stack web application** that is built using the Agile methodology.
- Combines the excitement of soccer leagues across Europe into one fantasy league game.
- Users are able to create their squad from players across the top five European soccer leagues in the world.
- **Built with:** Java, Springboot, AWS, Docker, mySQL, React, TypeScript, JIRA, Confluence, REST API

Gympose | Devpost

Oct. 2022

- Completed an **AI based hackathon** project building a web based program capable of **activity recognition**.
- Helps newcomers get familiar with new exercises that they try in the gym.
- The program uses **pose estimation** in order to identify the exercise.
- Lists the target muscles as well as the positives and negative aspects of the exercise.
- **Awards:** People's Choice Award for Best Hack
- **Built with:** Python, JavaScript, React, Machine Learning, Pose Estimation, CNN Model, LSTM Model