

Zuhayr Ahmed

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Education

University of Toronto

Sept 2022 – May 2026

BS in Computer Science (CGPA: 3.56)

- **Achievements:** \$3000 Entrance Scholarship, 2023 Winter - Dean's List Scholar, 2023 Summer - Dean's List Scholar, 2024 Winter - Dean's List Scholar
- **Coursework:** Web development, Machine Learning, Databases, Information Security, OS, Artificial Intelligence, Robotics, Data Structures and Analysis, Software Design, Software Engineering.

Experience

Accounting Assistant

Oakville, ON

Saturday Accounting Forum

Aug 2024 – Present

- Managed financial data for multiple clients using QuickBooks and Excel, validating bank statements to ensure 100% accuracy in bookkeeping records.
- Filed annual returns for 10 companies via the Ontario Filing Centre and resolved CRA queries, enhancing stakeholder trust through clear communication and problem-solving.

GenAI Genesis 2025

Toronto, ON

Canada's Largest AI Hackathon

March 2025

- Improved SpeakWrite's AI performance by preparing datasets and fine-tuning Gemini-2.0-flash-001 on Google Cloud Vertex AI, leveraging Google AI Workshop insights.

Hack the Horizon

Mississauga, ON

Deerhacks IV

Feb 2025

- Developed Hidden Gems ([Link to repo](#)) [🔗](#) a web app delivering personalized activity recommendations based on user inputs for location, budget, and interests, ensuring an intuitive user experience.
- In a team of 2, built responsive frontend, configured SQLite database, integrated Pixaby API for dynamic images, debugged backend LLM connections, and optimized prompts for accuracy.
- Tools: Next.js, React, Tailwind CSS, SQLite, FastAPI, Hugging Face, Pixaby.

Projects

SpeakWrite ([Live Link](#)) [🔗](#)

[Link to Repos](#) [🔗](#)

- Engineered an AI-powered platform for real-time speech-to-text transcription, featuring voice-controlled editing, tone-adjusted rephrasing, and PDF/mp4 export capabilities.
- In a team of 7, designed PostgreSQL schema, integrated frontend with backend via WebSockets, developed interactive UI for speech processing, and implemented secure authentication and media handling.
- Tools: Next.js, React, Tailwind CSS, Axios, FastAPI, PostgreSQL, WebSockets, PyJWT, Bcrypt, Google Cloud Vertex AI, jsPDF, pdfjs-dist.

Flynex ([Live Link](#)) [🔗](#)

[Link to Repo](#) [🔗](#)

- Built a scalable flight and hotel booking app with robust search functionality, deployed on Google Compute Engine using Docker for seamless performance.
- In a team of 3, developed homepage, navbar, flight search, and notifications with enhanced UI/UX, configured SSL certificates, and managed Docker-based deployment for high availability.
- Tools: Next.js, React, Tailwind CSS, Axios, PostgreSQL, Docker, Nginx, Google Compute Engine.

Adventure Game with a Boss Battle ([Demo](#)) [🔗](#)

[Link to Repo](#) [🔗](#)

- Created a Java-based adventure game where players collect strategic buffs to defeat a boss, enhancing gameplay through dynamic mechanics.
- In a Scrum team, implemented buffs (Mightorbs, Halver, Luck), designed health/strength UI, and managed version control with GitLab for collaborative development.
- Tools: Java, JavaFX, GitLab.

Tech Stack

Programming Languages & Databases: Python, JavaScript, Java, C, HTML5, CSS3, MySQL, PostgreSQL, SQLite

Web Development: React, Next.js, Tailwind CSS, Node.js, Axios, WebSockets, jsPDF, pdfjs-dist, FastAPI, PyJWT, Bcrypt

Machine Learning & AI: Pandas, Matplotlib, Scikit-learn, Hugging Face, Google Cloud Vertex AI

Tools & DevOps: Docker, Nginx, Google Compute Engine, QuickBooks, Microsoft Excel, GitLab, Jira, Jupyter, PyCharm, Visual Studio Code, IntelliJ IDEA, Eclipse, LaTeX, Pixaby