# Zayaan Bhanwadia

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## EDUCATION

**University of Toronto Scarborough** <span style="float:right">Scarborough, ON</span>

*Honors Bachelor of Arts in Computer Science* <span style="float:right">*Sep. 2025 – Present*</span>

## EXPERIENCE

**Executive, Association of Mathematics and Computer Science Students** <span style="float:right">2025 – Present</span>

*University of Toronto Scarborough* <span style="float:right">*Scarborough, ON*</span>

- Helped produce and distribute a departmental newsletter for the Computer and Mathematical Sciences Department
- Reached over 2000 students and achieved an open rate of around 50%

**DECA International Career Development Conference Qualifier** <span style="float:right">Sep. 2024 – June 2025</span>

*DECA Inc.* <span style="float:right">*International*</span>

- Placed Top 20 internationally in Startup Marketing Campaigns
- Trained a group of 8 students in written events and marketing strategy, with around 50% qualifying for ICDC

**Co-President, NASA HUNCH** <span style="float:right">Sep. 2023 – June 2025</span>

*NASA HUNCH Program* <span style="float:right">*Canada*</span>

- Led team to 3rd place, becoming the first ever Canadian school to compete in NASA Hunch
- Developed an autonomous Lunar Ejector Bot using C++ and Arduino capable of traversing simulated lunar terrain and created a simulation using CAD

**Vice President of Technology, BLINK JA** <span style="float:right">Sep. 2022 – June 2023</span>

*Junior Achievement Company Program* <span style="float:right">*Canada*</span>

- Led a team of 5 to design and maintain a company website, generating over $2,300 in online sales
- Tracked and analyzed website sales metrics to support executive marketing decisions, increasing website traffic by over 30%

## PROJECTS

**UTRA Hacks Sustainability NFT Tokener (3rd Place Overall)** | *Python, JavaScript, HTML, CSS, Solana, Gemini AI* Fe

- Developed a proof-of-impact sustainability application leveraging Gemini AI to verify environmentally sustainable actions
- Integrated Solana blockchain to tokenize verified sustainability actions as NFTs
- Achieved 92% verification accuracy through AI validation pipeline

**Windows Terminal AI Assistant** | *Python* <span style="float:right">Jan. 2026</span>

- Engineered an AI-powered assistant that translates natural language into executable Linux and Windows terminal commands
- Implemented a safety interception layer to detect and block potentially destructive commands
- Developed an auto update checker which keeps user's requested programs updated to the most stable version when run

**AI-Powered Video Clickbait Detector** | *Python, YouTube Data API* <span style="float:right">Dec. 2025</span>

- Built a machine learning pipeline to analyze video metadata and thumbnails for clickbait detection
- Achieved 80% classification accuracy across evaluated datasets

**Mock Banking Application** | *Java* <span style="float:right">Sep. 2024 – Jan. 2025</span>

- Developed a Java-based banking system with file I/O to manage account data and track transactions
- Implemented data structures to make storage more efficient

**Plants vs. Zombies Game (Academic Project)** | *Java* <span style="float:right">2023 – Jan. 2024</span>

- Created a Java-based parody of Plants vs. Zombies to demonstrate object-oriented programming concepts

## TECHNICAL SKILLS

**Languages**: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
**Developer Tools**: Git, VS Code, Visual Studio, Jetbrains, IntelliJ, Eclipse