

# NIKITA NATHANIA RUDY

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## EDUCATION

### University of Toronto

Honours Bachelor of Science — Computer Science and Applied Mathematics | GPA: 3.78

Mississauga, Ontario

Aug 2024 – May 2028

## EXPERIENCE

### VP of Events Assistant

Regenesis UTM

Jul 2025 – Present

Mississauga, Ontario (Hybrid)

- Assist in planning and executing sustainability-focused campus events, including the Free Store pop-up, clothing swaps, and environmental awareness campaigns.
- Coordinate event logistics such as volunteer scheduling, outreach, and partnerships with local community organizations.
- Promote student engagement in sustainability initiatives, increasing participation and awareness across campus.

### Information Technology Developer Intern

PT Medion Farmajaya

Jun 2025 – Aug 2025

Bandung, Indonesia

- Tested OCBC Bank APIs with Postman, ensuring endpoint reliability and compliance with financial standards.
- Built a finance automation web app (ASP.NET Core, SQL Server, Docker) to schedule recurring payments.
- Integrated external banking APIs into internal systems, cutting manual processing time.

## PROJECTS

### Flash Sale Discount Optimizer Model (University of Indonesia Datathon)

Jun 2025 – Jul 2025

Python, XGBoost, Pandas, Numpy, Scikit-learn, Matplotlib

- Developed a machine learning model to optimize discount pricing during flash sales, using real-world e-commerce data. The system predicts expected sales using an XGBoost regressor and evaluates performance through simulation, SHAP value analysis, and A/B inspired testing. Improved revenue forecasting accuracy and enabled more strategic pricing decisions.
- Hugging Face | Github Repository

### Logify: Log Your Mood, Let Spotify Do the Talking

Feb 2025

HTML, CSS, JavaScript, AI, Spotify API

- Built an AI-powered journaling web app that analyzes user mood and provides personalized feedback.
- Integrated Spotify API to recommend songs based on emotional state; added streak + mood color gamification.
- GitHub Repository | Devpost Project Page

### RescueRadar (NewHacks Hackathon)

Oct 2024

HTML, JavaScript, Bayesian Networks, CSS, Git

- Developed a disaster alert platform for real-time condition reporting during natural disasters.
- Applied a Bayesian network algorithm to predict unreported conditions and visualize situational maps.
- GitHub Repository | Devpost Project Page

## AWARDS & HONORS

### Beasiswa Indonesia Maju (BIM) Scholarship Awardee

2024 – 2028

Indonesian Ministry of Education

Indonesia

- Received a fully funded 4-year undergraduate scholarship for academic excellence and leadership potential

### Dean's List Scholar

University of Toronto Mississauga

Fall 2024 – Winter 2025

Toronto, Canada

## TECHNICAL SKILLS

**Languages:** Python, C, SQL, JavaScript, HTML/CSS

**Frameworks:** ASP Net Core, React, Node.js, Flask, Postman

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm

**Libraries:** pandas, NumPy, Matplotlib