

# Tahmidul Islam

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## Education

**Lakehead University**  
HBS Computer Science

Thunder Bay, Ontario  
January 2019 - May 2024

## Work Experience

### Raphael Porcelain

Automation Engineer

Remote  
October 2025 - Current

- Architect and maintain 15+ production automation workflows using n8n, processing competitive intelligence data from 6+ social media platforms daily
- Design AI-powered analysis pipelines integrating OpenAI API with vector databases (Qdrant/MongoDB) for Retrieval Augmented Generation
- Build lead generation automation with Clay.com and Salesforce CRM, reducing manual data entry by 20+ hours/week
- Develop Python and JavaScript scrapers for business intelligence gathering, achieving 95
- Collaborate with cross-functional stakeholders to translate business requirements into scalable technical solutions

### AI Buddy Catalyst Labs

Automation Development Intern

Remote  
May 2025 - October 2025

- Built AI agents and automation pipelines in n8n.
- Wrote Ansible scripts and CD workflows in Github Actions for deployment automation.

## Skills

**Programming Languages:** Python, Java, C++, JavaScript, Bash, Powershell

**Tools and Frameworks:** n8n, Flask, Git, Docker, Zapier, Clay.com, Salesforce CRM, GameCI, CI/CD with Github Actions

**AI/ML:** OpenAI API, RAG Pipelines, Vector Databases (Qdrant/MongoDB), Ollama

**Cloud Platforms:** Google Cloud Platform (GCP), AWS (EC2, S3)

**Server Management:** Ubuntu Server, Hyper-V, Docker Swarm, Portainer, Ansible, Homelab (5 years)

**Operating Systems:** Windows 7/8/10/11, MacOS, Debian distros, Arch distros

## Projects

**Enterprise Automation & Intelligence System** *n8n, Python, JavaScript, OpenAI API, Vector Databases*

Designed automation workflows for multi-platform data collection. Implemented AI pipelines using RAG architecture. Developed integrations reducing manual data entry by 20+ hours/week.

**Full-Stack AI-Powered URL Shortener** *Python, Flask, AWS EC2, Django, NLP, GitHub Actions*

URL shortening service with RoBERTa model for AI-generated slugs. Deployed on AWS EC2 with CI/CD automation.

**Cloud-Based Game Development Workflow** *Unity, C#, GameCI, GitHub Actions, GitHub Pages*

Built games using Unity with automated GameCI builds and CI/CD pipeline for GitHub Pages deployment.

**Automated Calendar Data Importer** *Python, Google App Script, Web Scraping, CI/CD*

Automated calendar updates using web scraping and Google Apps Script for synchronization.

## Awards

### Dean's List

Recognized for excellent academic performance in the 2020-21 academic year.

Lakehead University  
2021

### Level 3 of Lakehead Makes Leaders

Won "Think Like a Boss" module in simulated investment portfolio challenge.

Lakehead University  
November 2021

## References

### Sadab Seraj

Project Manager  
Raphael Porcelain, USA  
Email: sadab@raphaelp.com  
Worked closely on implementing automation pipelines.

### Aukik Aurnab

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