

PRITUMI PATEL

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EDUCATION

York University

Canada

Honors Bachelor of Science in Computer Science

January 2023 – December 2026

- Relevant Courses: Object Oriented Programming, Data Structures and Algorithms, Computation Theory

EXPERIENCE

Network and Telecom Engineering Intern

May 2025 – Present

Hydro One

Toronto, CA

- Supported second-level network operations across Canada, including optical network and photonic upgrades
- Helped stage network equipment, perform DCN refreshes, update network topology diagrams and documentation
- Supported network automation workflows using Ansible and system API's for device audits and configuration tasks

Information Technology Assistant

May 2024 – April 2025

Systems Management Services, UIT, York University

Toronto, CA

- Administered m365 admin centers, exchange servers, windows AD, and created documentation
- Leveraged the HaloITSM ticketing system to analyze and responded to **300+ requests**
- Developed and used PowerShell scripts to create listservs, distribution lists, shared mailboxes and proxy addresses

Information Technology Coordinator

Mar 2023 – Present

York Federation of Students

Toronto, CA

- Implemented on AWS to host print management software for cheapest campus printing reducing **IT costs by 45%**
- Managed print server EC2 instances, VPC and NAT gateway traffic routing and ms sql RDS data management
- Administered Google Workspace environment and managed all IT-related aspects

PROJECTS

WildFyre | Flutter, Python, json

- Created a real-time wildfire tracking app for Ontario's high-risk regions and used **Google Maps API** for mapping
- Implemented **OpenAI API** for predictive fire behavior and image generation, enhancing situational awareness
- Incorporated an interactive AI chatbot assistant using **Cohere API**, trained on evacuation and fire-related data

Seasonal Recipe Collection | React.js, JavaScript, Node.js, Tailwind CSS, Flask, Python, Vite

- Developed website using React and JavaScript for the user interface and Python and Flask for the backend
- Implemented location-based ingredient identification to suggest seasonal foods and provided personalized recipe recommendations with detailed ingredient lists and step-by-step instructions, promoting eco-friendly eating
- Integrated **computer vision** using **TensorFlow** to identify ingredients in a fridge based on an uploaded image

Personal Portfolio | React.js, TypeScript, Tailwind CSS, Firebase, JavaScript, Node.js

- Developed and designed responsive personal portfolio website using **React.js** to showcase projects and skills
- Utilized **Tailwind CSS** for efficient UI development, consistent design and ensuring cross-device compatibility
- Built a form submission system using **Firebase** as a real-time database, implementing validation and testing to ensure data integrity and seamless user experience

Pramukh Pharmaceuticals | React.js, Tailwind CSS, JavaScript, Node.js

- Created a responsive website for our small family pharmaceuticals business in Uganda to support marketing efforts

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, HTML, CSS, Bootstrap, Dart, TypeScript

Frameworks: React.js, Flutter, Node.js, Express, Tailwind CSS, Firebase, MongoDB, MySQL, JUnit

Tools: Git, AWS, Azure, GCP, Asana, Jira, Confluence, Figma, Guru Knowledge Management, Active Directory

LEADERSHIP

Vice President - Women in Science and Engineering | York University

Aug 2024 – Present

- Oversaw all club departments, ensuring smooth operations and effective collaboration across teams
- Organized and led events and workshops aimed at empowering women in STEM and fostering professional growth