

Mohammed Rayyan Usmani

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PROJECTS

- Near Me (nrme.site)** | *React, Leaflet, Gemini AI, Node.js, REST APIs* Feb 2025 – Aug 2025
- Built a full-stack mapping app with a React/Leaflet frontend and Node backend to handle data and AI prompts
 - Implemented semantic search from Google Gemini API for multi-step route generation
 - Leveraged Leaflet and REST APIs to enable interactive features for real time weather and traffic updates
 - Deployed beta for peer testing, external validation and prompt tuning
- RezPlan (rezplan.site)** | *React, Google Gemini AI, Node.js, Express* Oct 2024 – Feb 2025
- Developed a prototype full-stack budget planning app powered by Google Gemini AI to provide a personalized financial road map
 - Designed a frontend with local demo auth that learns from recurring expenses to generate personalized budget breakdowns
 - Implemented an AI chatbot to answer budget related questions, provide monthly reports and assistance
- Campr (Waterloo StarterHacks)** | *HTML, CSS, JS* Aug 2024
- Developer of a hackathon team designing and developing a CRUD web-app for a social camping experience
 - Developed a login page for hackathon demo with local user authentication
 - Created a functional prototype with planning, booking and location based features for campers

WORK EXPERIENCE

- Information Officer** Mar 2025 – Apr 2025
Elections Canada Brampton, ON
- Facilitated efficient advance polling days by welcoming electors, checking for valid ID and setting up voting signs
 - Managed voter flow to reduce wait times and improve voting experience
 - Efficiently communicated with voters of various backgrounds and provided assistance in multiple languages
- Software Engineer Intern** July 2024 – Feb 2025
Headstarter AI Remote
- Developed a user friendly application for web-app
 - Contributed to internal dashboard to track telemetry and error logging
- Operations and Communications Assistant** June 2023 – Sep 2023
SacredHand Canada Mississauga, ON
- Created promotional content and managed social media presence to raise awareness and boost community engagement
 - Collaborated with a team to support administrative operations through record keeping, tracking donations and budgeting for supplies

TECHNICAL SKILLS

Languages: Python, Racket, JavaScript, HTML, CSS
Frameworks: React, Node.js, Express
Developer Tools: Github, VS Code, Visual Studio
Libraries: Leaflet, Google Gemini API, OpenWeather API, Overpass API, Pygame

EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Mathematics (Co-op) Sep 2025 - Apr 2030