

Ishani Mehta

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EDUCATION

Carleton University | Ottawa, ON

Expected Graduation: April 2028

B.S. in Computer Science

CGPA: 10.2/12 | Dean's Honor List (2023-2024)

Co-op Availability: Fall 2025 (4-8 months)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Bootstrap, Scikit-learn, NumPy, Pandas, Matplotlib, OpenCV

Databases & APIs: PostgreSQL, SQL, REST APIs

Blockchain: Internet Computer Protocol (ICP), Web3.js, Motoko

Tools & Platforms: Git, GitHub, Postman, Visual Studio Code

Operating Systems: Linux (Ubuntu), Windows

WORK EXPERIENCE

Web Design Intern | Life Mantra & World Welfare Foundation | Ottawa, ON

June 2024 - August 2024

- Independently designed and launched the organization's first official website using Hostinger's website builder, improving UI/UX and site navigation.
- Implemented SEO-friendly on-page optimizations (titles, descriptions, image alt text) to support better search visibility.
- Customized layouts and optimized content across 4+ unique pages for responsive viewing on 5+ screen sizes.
- Collaborated with 3+ stakeholders to refine design through weekly feedback sessions and UI iteration cycles.

PROJECTS

License Plate Recognition System | Personal Project

Python | OpenCV | Scikit-Learn

- Developed a machine learning-powered ALPR system to extract license plate characters from vehicle images.
- Implemented grayscale conversion, binary thresholding, and connected component analysis for accurate detection.
- Designed to process single-image inputs and tested on a set of 50+ vehicle image samples during development.

NFT Marketplace | Personal Project

React | JavaScript | Internet Computer (ICP)

- Developed a full-stack NFT marketplace enabling users to mint, list, explore, and sell NFTs on the ICP blockchain.
- Integrated smart contract logic using ICP canisters for secure metadata storage and seamless transactions.
- Built for 50+ NFT listings with responsive UI components and wallet-based interactions.

To-Do List | Personal Project

Node.js | Express.js | PostgreSQL

- Developed a full-stack task management web app with real-time CRUD operations and dynamic task tracking.
- Built a robust PostgreSQL backend with 5+ RESTful API endpoints and efficient server-side logic.
- Designed to manage 100+ dynamic tasks per user with modular routing and scalable database schema.

LEADERSHIP EXPERIENCE

Volunteer | WILD Outside (Canadian Wildlife Federation) | Ottawa, Ontario

September 2021 - July 2023

- Led community initiatives including garden cleanups and environmental conservation projects, directly contributing to local sustainability efforts.
- Strengthened teamwork and organizational skills through collaboration with diverse groups, achieving project goals efficiently.
- Demonstrated leadership by coordinating volunteer teams, delegating tasks, and ensuring project completion within deadlines while maximizing community impact.