# Ahmed Hassan

Ahassan.a.md@gmail.com | Ottawa, ON | Portfolio | GitHub | 613-890-6580

### **WORK EXPERIENCE**

## Multimedia Technician - Learning Infrastructure Team

November 2022 – Present

### **Employment Social Development Canada**

Gatineau, QC

- Developed robust web applications for multimedia and e-Learning projects, including Virtual Assistant Tool, System Simulations, and an Image Optimizer Tool.
- Designed and developed a scalable JavaScript-based virtual assistant tool, achieving daily engagement from hundreds
  of users through an intuitive interface and ongoing feature enhancements.
- Designed and implemented multiple system simulation tools in HTML, CSS, and JavaScript that mirror existing departmental systems, strategically incorporating overlays for an interactive, step-by-step training. Systems utilized by 30+ users, enhancing departmental training efficiency.
- Developed an Image Cropper and Optimizer tool in JavaScript enabling users to modify images. Implemented a
  feature to preview the modified images within the ADAPT authoring tool, streamlining the design workflow process.
- Developed an interactive dashboard with HTML, CSS and JavaScript using a SharePoint list for real-time project updates to senior management.
- Automated metadata extraction using Python, processing over 200 images and integrating results into SharePoint, resulting in a faster retrieval process for multimedia assets.
- Collaborated cross-functionally with course designers, team leads, and developers to deliver solutions that met client requirements and project timelines.

## **PROJECTS**

Travel Cost Estimator October 2024

- Designed and built a travel cost estimator that calculates estimated travel expenses including flights, hotels, and food based on user-inputted city data.
- Implemented suggestions for nearby cities with cost comparisons utilizing data from external APIs to provide users with accurate estimates
- Utilized: React.js, Node.js, Express.js, MongoDB

## Task Manager Application

October 2024

- Developed a Task Manager application with user authentication and executes and task management features
- Designed a responsive user interface with React, utilized hooks for state management and Axios for API integration
- Utilized: React.js, Node.js, Express.js, MongoDB

Personal Website October 2024

- Built a personal website using React components, leveraging Gatsby for static site generation to enhance performance and optimize SEO
- Utilized: React.is, Gatsby

#### **EDUCATION**

B.Sc. Electrical Engineering Carleton University

**June 2018** 

Ottawa, Ontario

## **TECHNICAL SKILLS**

- Programming Languages: JavaScript, Python, Java, HTML, CSS, SQL, PHP
- Libraries and Frameworks: React.js, JQuery, Node.js, Express.js, Gatsby
- Tools: Git, GitHub, Bash, Visual Studio Code