

Mustafa Darras

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WORK EXPERIENCE

AI Developer | Scale Labs

May. 2024 – Present

- Developed AI-driven prompt strategies, enhancing data processing accuracy by 45%.
- Led A/B testing initiatives, fine-tuning model performance to improve response quality and operational efficiency.
- Partnered with cross-functional teams to refine AI models, driving significant improvements in business analytics.
- Assessed the factuality and relevance of AI-generated content, providing feedback to enhance model performance.

Data Engineer | Tech Jobs International

Jun. 2023 – Dec. 2023

- Developed ETL pipelines to automate data extraction, transformation, and loading, improving data processing efficiency.
- Developed reusable Python modules and interfaces to streamline data workflows and enhance system functionality.
- Built custom PowerApps and integrated Dataverse tables to enable seamless data management.
- Managed databases on Microsoft Azure, ensuring high availability and performance for cloud-based applications.
- Utilized pgAdmin and SQL (SSMS) for effective database administration, query optimization, and data integrity.

Technology Consultant | Nuovo Tech

Mar. 2022 – Sep. 2022

- Advised clients on blockchain technology applications, enhancing security and transparency in business operations.
- Managed Azure Active Directory administration, optimizing identity and access management for enterprise environments.
- Oversaw Microsoft 365 licensing and administration, ensuring seamless deployment, compliance, and cost efficiency.

SOFTWARE ENGINEERING-RELATED PROJECTS

webGPT | AI Developer

Aug. 2024 – Dec. 2024

- Developed webGPT, an AI chatbot using the Gemini 2 Pro API to assist in generating responsive web pages.
- Fine-tuned the model with a custom dataset of web source code to enhance design and structural integrity.
- Conducted benchmark testing against GPT-4o, improving design aesthetics by 40% and structural integrity by 30%.
- Designed an intuitive interface that allows users to input web page URLs and receive detailed grading reports.

Smart Fitness Tracker Application | Full Stack Developer

Nov. 2024– Feb. 2025

- Developed a responsive fitness application for logging workouts, tracking progress, and setting fitness goals.
- Integrated real-time data visualization using Chart.js, enhancing user engagement by 35%.
- Implemented ML algorithms to provide personalized workout recommendations based on user data.
- Developed RESTful APIs to connect the frontend with the backend, facilitating seamless data management using Node.js and Express.
- Utilized MongoDB for user data storage, ensuring secure and efficient data retrieval, while incorporating user authentication and authorization features for enhanced security.

EDUCATION

Bachelor of Science(BSc): Computer Science, (Software Engineering Concentration | Entrepreneurship Minor)

Toronto Metropolitan University, Toronto

Expected graduation: May 2025

- Relevant Coursework: Introduction to Software Engineering, Algorithms, Artificial Intelligence, Data Structures, Software Project Management, Entrepreneurial Behaviour and Strategy, Identifying Opportunities, Introduction to C and UNIX, Web Development, Database Systems

SKILLS

- **Technical:** Python, Java, C, C#, HTML/CSS, JavaScript, Django, React, Node, RESTful APIs, NLP, Machine Learning Algorithms, Fine-tuning, TDD, CI/CD
- **Others:** Project Management, Lead Projects, Attention to Detail, Scheduling/Planning, Time Management, Problem Solving, Strong Communication, Team Player, Open Minded, Strong Initiative.

INSIGHTS

My global travels have profoundly shaped my approach to technology. **Toronto** ignited my passion for AI, while **NYC** fueled my entrepreneurial drive. In **Barcelona**, I discovered the fusion of creativity and technology, and **Tulum** revealed the untapped potential of emerging markets. **Havana** demonstrated that innovation thrives, even with constraints. These diverse experiences empower me to create adaptable and impactful relevant technology.

