

# Ali Shuaib

Windsor, ON

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A professional web developer with extensive experience in creating full stack applications with modern technologies and best practices.

Experienced in designing both frontend and backend for end user applications.

Willing to relocate: Anywhere

## Work Experience

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### **Highschool Computer Science Instructor (Part-time)**

Ontario Academy of International Education - Markham, ON

January 2023 to Present

- Teaching ICS3U (Introduction to Computer Science – Grade 11) to international
- Canadian high school students, helping them develop strong foundation in preparation from ICS4U and university.

### **eLearning Learning Management System Intern**

Altair - Troy, MI

May 2023 to September 2023

- Worked with PHP, Javascript and Bootstrap to develop a Moodle & Totara plugin to integrate a LLM model with content stored as courses on the LMS
- Wrote documentation on plugin usage and ChatGPT integration with eLearning team workflow
- Developed instructional design content for Altair's data analytics software, teaching how to preprocess data and develop various models such as Decision Trees, Linear & Logistic Regression, Neural Networks, etc
- Heavily used tools like Adobe Premiere, Camtasia, OBS and Articulate Storyline / Rise.
- Took initiative in helping Altair's eLearning team adopt AI tools into their workflow to improve productivity by up to 75% by creating Excel Macros that integrates with ChatGPT to create generative content for certification questions/answers.

### **Web Designer and Technical Consultant**

Moonlite - Windsor, ON

January 2023 to May 2023

- Worked with clients to address business objectives with digital solutions such as web development, UX/UI design, branding and digital marketing.
- Used Typescript, React and Tailwind CSS to develop website projects for clients with minimal digital presence.
- Worked with Framer and Webflow as per clients current setup and requirements.
- Developed soft skills necessary to communicate complex technical concepts to a nontechnical audience and leverage critical thinking to assist clients in making the correct decision for their business.

## **Technical Research Assistant**

University of Windsor - Windsor, ON

October 2022 to December 2022

- Assisted in transitioning from Blackboard to Brightspace D2L by designing UX for business faculty, working closely with program director for Master of Management.
- Conducted UX research for both professors and students, through usage analysis and surveys which was then used to design the LMS course outline.
- Responsible for redesigning user experience for university hiring forms and integrating with Excel to streamline workflow for HR Department and ease the application process for internal applicants.
- Designed new graphics for the Master of Management program using Adobe Photoshop and Illustrator.

## **University Computer Science Tutoring**

Self Employed - Windsor, ON

January 2022 to August 2022

- Tutored students to help improve their understanding of Computer Science concepts and successfully pass University level courses.
- Instructed students in developing Topic Modelling and Sentiment Analysis models to create a graduate project to classify X (Twitter) posts and Amazon Reviews.
- Primarily worked with Python and Java, using libraries such as NumPy, Pandas and Matplotlib while collaborating on Jupyter Notebooks and VSCode Live Share.

## **Point of Sales Support and Deployment**

Nobletech - Windsor, ON

May 2021 to August 2021

- Provided tier-one technical support to clients on MyTouchPOS to assist in day to day problems by answering phone calls, troubleshooting over the phone and remote access (Using TeamViewer and VNC).
- Staged hardware and software for local restaurant clients setting up computer, front desk display, menu display, kitchen display, printers and setting up USB key based licensing.

## **Highschool Computer Science Tutoring**

David Suzuki Secondary School - Brampton, ON

September 2019 to June 2020

- Provided tutoring for students enrolled in ICS3U and ICS4U courses (Introduction to Computer Science)
- Taught beginner level concepts and best practices for Python and Java to help students develop a strong foundation as they prepare to enter undergraduate programs.
- Developed beginner level curriculum for junior year students (Grade 9 to 10), teaching basic web design with a end of term project for designing a personal web portfolio.

## **Technical Trainer and Social Media Manager**

786 Pizza and Wings - Brampton, ON

February 2017 to August 2019

- Trained new hires in customer service, transactions and operation of point-of-sales software (Cashier software)
- Maintained stores website and developed email newsletter to allow visitors to sign-up.
- Managed social media presence on Instagram and Facebook.

## Education

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### **Bachelor's in Business Administration and Data Analytics**

Odette School of Business, University of Windsor - Windsor, ON

September 2019 to April 2023

## Skills

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- Python
- Javascript
- TypeScript
- C#
- Java
- Data Analytics
- React
- NextJS
- Prisma ORM
- Tailwind CSS
- HTML
- CSS
- Electron
- SQL
- MySQL
- PostgreSQL
- MongoDB
- Cloud computing
- Google Cloud Platform
- AWS
- Azure
- Virtualization
- Vercel
- Linux
- Ubuntu
- Ngrok
- Apache
- GitHub
- Git
- Framer
- Webflow
- Adobe Creative Suite

- Adobe Photoshop
- Adobe Illustrator
- Adobe Premiere
- Adobe XD
- Figma
- UI design
- UX design
- Machine Learning
- LLM
- Vector Database
- Pinecone
- Weaviate
- POS
- LMS
- Moodle
- Totara
- HTML5
- Bootstrap
- Node.js
- Test Cases
- Web Services
- PHP
- Jira
- Software Development
- REST
- Agile
- Computer Science
- Web Development

## Links

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<https://github.com/alishuaib>

## Certifications and Licenses

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**Applied Information Technology**

**Data Analytics and Supply Chain**

**Business Administration**

## Publications

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### **Orbite AI - LMS Teaching Assistant**

<https://github.com/alishuaib/orbite>

June 2023

- Introduced a ChatGPT based LMS assistant to answer questions from learners on a LMS platform by referencing learning material such as SCORM packages, documents, slides, and videos.
- Developed using Typescript, Next JS 13, Tailwind CSS, Pinecone Vector DB, MySQL, AWS and Vercel. Used PHP and JS to develop plugins.
- Integrated ChatGPT LLM and researched using Llama LLM for users that prioritize
- Designed an application to seamlessly integrate with already established workflows of most eLearning teams through research and feedback from industry experts.
- Developed a API to allow developers to create custom plugins using Next JS backend, Zod and Prisma ORM.
- Developed a library to process text content from SCORM packages created with Articulate Storyline and Rise authoring tools and store them as vector embeddings to later be used for content retrieval and generative answers.

### **NGS Map - Online Interactive Resource Map**

<https://github.com/alishuaib/ngslivemap>

June 2021

- Introduced an online map for helping players from an online game to assist in mapping resources and collaborate in finding collectables through an accessible and user-friendly platform.
- Developed using Typescript, React, Express JS and MongoDB.
- Conducted performance tests to optimize the application and scale with userbase.
- Resolved a community problem of finding hidden collectibles, gathering region specific information, and sharing the information with other community members in a secure quality-controlled manner.
- Ended service in mid 2023 with a peak usage of 2.4k communities and 134k users all collaborating to share information.