

# Ahmed Mandalawi

Toronto, ON M6R  
Email: [al.mandalawi@mail.utoronto.ca](mailto:al.mandalawi@mail.utoronto.ca)  
Website: [www.mandalawi.ca](http://www.mandalawi.ca)



Cell: (647)784.8222  
In: [linkedin.com/in/ahmedalmandalawi](https://www.linkedin.com/in/ahmedalmandalawi)  
GitHub: [github.com/mandalaw](https://github.com/mandalaw)

## EDUCATION

**Honours in Bachelor of Science** (Computer Science and GIS)

**University of Toronto – 2022**

## QUALIFICATION

**Languages:** Java, Python, HTML5,6, CSS, JavaScript (ES6+), C, C++, Bash, MongoDB, GraphQL, JSON, XML, MySQL, R.

**Tools:** Git, GitHub, Jira, VScode, PyCharm, Eclipse, IntelliJ, Slack, MySQL, UML, Adobe Suites, Adobe XD, Figma, Prismic.

**Frameworks/Libraries:** NodeJS, ReactJS, VueJS, Redux, Vuex, jQuery, Bootstrap, Vuetify, Styled Components, GatsbyJS, NextJS, NuxtJS, ExoressJS, Selenium, Pytest, SciPy, NumPy, Pandas.

## PROFESSIONAL EXPERIENCE

**GDSC (Google Developer Student Club)**

**Jan 2022– April 2022**

**Stack Developer**

- Designed and developed user websites using React, Node JS, Express and Mongo DB. Provided up-to-date modern website designs with dark mode functionality
- Creating and maintaining of API test framework using Python/Pytest
- Supporting UI automation in Java/ Python/ Selenium
- Worked in an agile team setting and saw the project from conception to finished product
- Using data modelling and analysis to inform and illustrate solutions
- Liaising with clients and other staff members to project parameters and maintaining expert knowledge of technology solutions
- Provided various technical and software support to students with the developed product
- Being the first point of contact and providing advice for the duration of the project to clients and staff members
- Used a JWT-based authentication system for user accounts
- Completed multiple iterations and redesigned the entire site structure, navigation, and interactivity using Figma to accomplish website objectives
- Established standard process for code development and migration within development, staging, and production environments for a consistent methodology
- Set communication guidelines for sprint meetings to ensure code quality by seeking mentoring from senior developers
- Designed, developed, and implemented core features including a custom booking system, and an admin panel.
- Designed and developed APIs while meeting both technical and consumer needs.
- Created CRC cards, schedules, system design, UML classes, GitHub readme, Jira backlog, and burndown charts for each sprint
- Started sprints by updating product backlog and criteria of satisfaction for each task
- Ended sprints by updating our system design, UML classes, and GitHub readme

**City of Mississauga**

**Sept 2021– Feb 2022**

**GIS Analyst**

- Worked closely with city mentors and team members to meet project goals, requirements, and desired timelines using Waterfall & Agile Methodology
- Created and maintained test strategies for manual and automation testing.
- Data manipulation and advanced mapping automation using model builder through python code (ArcPy)
- Used statistics, open-source data, and research to discover patterns and trends with the help of spatial mapping software to create a finalized recommended location that met the criteria for the city
- Responsible for maintaining and testing web functionality. Updated code, content, and fixed bugs from support tickets via Microsoft Teams
- Ensured to be available at all times of the day to support staff and clients with technical support and software help
- Designed databases, support colleagues that use GIS and integrate GIS with other technology. Also created well-written reports on their findings

## PROJECTS

**Freelance Web Development**

**Sept 2019– Current**

- Created various Personal and Freelance businesses operated websites using MERN Stack application from scratch. The goals of these projects were to attain further knowledge on how to use frameworks and concepts such as React, Express, React hooks, Routes, Authentication, and MongoDB database. Developed, tested, and maintained several web and desktop-based business applications
- Replicated GDSC-like interface- created user profiles, following and follower system, create/delete posts, like and comment on posts
- Utilized React Hooks to manage States and Props
- Increased code efficiency by utilizing reusable Components

**\*Feel free to view the extended resume on my website\***