

Mujtaba Chaudhry

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EDUCATION

Ontario Tech University

Bachelor of Science in Computer Sciences

Oshawa, On

Expected May 2026

PROJECTS

Doctor Lookup | *JavaScript, React, HTML/CSS, MongoDB, Node.js, Selenium*

June 2020 – Present

- Created a dynamic doctor lookup site using the MERN stack, serving over 10,000 doctors.
- Employed Selenium for efficient web scraping and data assimilation from external sources, utilizing MongoDB for seamless data storage and retrieval.
- Designed an engaging, user-friendly frontend using React, HTML/CSS, and Bootstrap.
- Integrated Google Maps API for interactive doctor location visualization.
- Implemented a secure user authentication system, bolstered by Node Passport, to ensure confidential access

Rubix Cube Solver | *Python, OpenCV, Computer Vision, Git*

- Created an advanced Rubik's Cube solver using computer vision and the Kociemba algorithm for efficient solving.
- Leveraged OpenCV to enable instant cube scanning through live webcam input.
- Developed a robust color detection system for precise sticker identification and mapping.
- Applied the Kociemba algorithm to compute efficient solving sequences, showcasing strong problem-solving skills.
- Designed dynamic OpenCV-based interface with real-time visual feedback for accurate scanning.

Nba Lineup Analysis | *JavaScript, HTML/CSS, Streamlit, Pandas, Git*

- Developed an advanced NBA Lineup Analysis Tool using Streamlit, offering an interactive and user-friendly platform for in-depth analysis.
- Expertly utilized Pandas for efficient data management, enhancing exploration of player and team statistics.
- Conducted in-depth lineup analysis, unearthing patterns in team and player data.
- Enabled users to perform strategic opponent analysis for informed decision-making.

Phonics/Alphabet teaching tool | *JavaScript, HTML/CSS, Git*

- Designed and developed an engaging web tool utilizing JavaScript and HTML/CSS, dedicated to enhancing kids' phonics and alphabet learning experiences.
- Implemented a sophisticated audio playback system using the SpeechSynthesis API, enabling seamless association of audio files with alphabet letters for intuitive phonetic learning.

EXPERIENCE

Tutor

June 2020 – Present

Economical Tutoring Services

Toronto, ON

- Provided targeted tutoring in Computer Science, Math, and Science to grade 12 and below students, tailoring sessions to individual learning needs.
- Employed engaging teaching methods to simplify complex concepts, fostering a deep understanding and boosting academic performance.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, MongoDB, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib, OpenCy, Selenium