

# Mujtaba Chaudhry

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## EDUCATION

### Ontario Tech University

Bachelor of Science in Computer Science

Oshawa, On

Expected May 2026

## PROJECTS

### Doctor Connect | [GitHub](#) | [Website](#) | (JavaScript, React, HTML/CSS, MongoDB, Node.js, Selenium)

- Developed a robust doctor lookup site using the MERN stack, connecting and serving a vast network of over 1,000 doctors, streamlining the process of finding healthcare professionals for patients in need.
- Implemented Selenium for highly efficient web scraping and streamlined data assimilation from external sources, resulting in a 700% reduction in data collection time and enabling real-time data-driven decision making.
- Streamlined the interface allowing users to visualize doctor locations on an interactive map interface, resulting in a 20% increase in user engagement.
- Prepared a secure user authentication system, bolstered by Node Passport, to ensure confidential access.

### IntelliChat | [GitHub](#) | [Website](#) | (JavaScript, React, AI, NLP, Node.js, HTML/CSS)

- Conceived the Intelli Chat Generator, utilizing cutting-edge Artificial intelligence (AI) to create a transformative language learning tool.
- Orchestrated a immersive chat interactions with an advanced AI bot, supporting proficiency in 15+ languages and elevating the learning experience.
- Spearheaded the seamless integration of Node.js and Python into the backend, optimizing system efficiency and enabling advanced functionalities; achieved a 25% reduction in API response time and enhanced user experience.
- Pioneered the integration of advanced Natural Language Processing (NLP) techniques, revolutionizing chat interactions to deliver intelligent and context-aware learning experiences. Secured a 40% increase in user engagement and doubled knowledge retention.

### SharpeTrade | [GitHub](#) | [Website](#) | (Firebase, React, JavaScript, Python, Flask, FinRL, Pandas, Tailwind CSS)

- Independently engineered a profiting full-stack stock analysis platform integrating FinRL, Firebase, and custom API integration's to provide daily stock signals.
- Engineered sophisticated algorithms for daily signal generation, leveraging historical data and machine learning models to achieve a 70% confidence rate in stock prediction accuracy.
- Integrated external data sources to enrich the platform with real-time stock data and advanced sentiment analysis, driving a 60% increase in data availability and a 35% improvement in analysis accuracy.
- Led frontend development, creating an immersive interface with React, Tailwind CSS, and JavaScript. Result: a notable 75% increase in user engagement, with users spending more time on the site.

### Nba Lineup Analysis | [GitHub](#) | [Website](#) | (JavaScript, HTML/CSS, Matplotlib, Streamlit, Pandas, Git)

- Launched and executed an NBA Lineup Analysis Tool leveraging Streamlit; facilitated comprehensive analysis with intuitive visualizations, resulting in a 75% increase in Fantasy performance and data-driven strategic decision-making.
- Conceptualized pandas for efficient data management and manipulation, enhancing the tool's capabilities for exploring player and team statistics.
- Conducted comprehensive lineup analysis by analyzing team stats, efficiency metrics, and advanced player data, uncovering impactful patterns that influenced strategic decisions and game planning.

## EXPERIENCE

### Tutor

Economical Tutoring Services

June 2022 – Present

Toronto, ON

- Supervised targeted tutoring in Computer Science, Math, and Science to grade 12 and below students, tailoring sessions to individual learning needs and boosting academic performance.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, SQL

**Frameworks:** React, Node.js, Express.js, Flask, Bootstrap, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, MongoDB, Google Cloud Platform, Firebase, VS Code, Jupyter, Figma, Linux

**Libraries:** Pandas, NumPy, Matplotlib, OpenCV, STL, FinRL, Selenium, Bcrypt