

# Talha Abbasi

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<https://abbasitm.github.io/Portfolio-Project/>

## EDUCATION

### University of Manitoba

*B.Sc Joint Honors in Computer Science and Statistics, Minor in Mathematics (4.37/4.5)*

Winnipeg, MB

Aug. 2023 – May 2027

### Google Advanced Data Analytics Professional Certificate

*Coursera*

Remote

Dec. 2022 - March 2023

### Relevant Coursework

*Intro to Computer Science 1 and 2, OOP, Data Structures and Algorithm, Programming Practices, Analysis of Algorithm*

## EXPERIENCE

### Medical Data and Inventory Analyst

*Shoppers Drug Mart*

Oct 2023 - Feb 2024

*Osborne Station, WPG*

- Performed data entry for over 1,000+ patient records using Healthwatch and PHIMS, ensuring 100% accuracy.
- Managed inventory, ordering, and stocking of medical supplies, with 500+ COVID-19 vaccines and 300+ flu shots.
- Resolved 50+ customer inquiries and complaints per week, achieving a 90% satisfaction rate.

### Data Analyst Intern

*CitroPak Ltd*

Sept 2022 - Feb 2023

*Islamabad, PAK*

- Collected, cleaned, and processed 50,000+ records from sales, production, and inventory databases.
- Analyzed data trends, resulting in 15% improvement in production efficiency by optimizing workflows.
- Automated 10+ reports using Excel and Power BI, reducing report generation time by 30%
- Collaborated with 5+ teams across departments, addressing data-related challenges and providing insight

### Software Engineer Intern

*Technology and Business International*

May 2022 - Oct 2022

*Islamabad, PAK*

- Participated in 3+ code reviews, learning best practices for writing clean and efficient code
- Gained experience in version control systems (Git), contributing to 5+ software projects and tracking code changes
- Contributed to debugging and testing software applications, identifying and resolving 10+ bugs
- Assisted in developing 3+ scripts to automate routine tasks, such as generating order summaries

## PROJECTS

### Portfolio | JavaScript, HTML, CSS, Web Development, Git, GitHub

Oct 2024

- Developed a fully responsive portfolio website using HTML, CSS, and JavaScript
- Designed intuitive navigation for seamless user experience.
- Utilized flexible grid layouts and media queries for all devices
- Integrated interactive elements with JavaScript, improving user engagement

### Ludo AI | Python, Reinforcement Learning, PyTorch, Q learning, TensorFlow

Sep 2023 - Jan 2024

- Developed an AI agent for Ludo using reinforcement learning techniques, specifically Q-learning
- Implemented a game interface using Pygame, facilitating real-time rendering and event management
- Designed and integrated a QNetwork class with neural networks to enable adaptive learning and strategic gameplay

### Car Sales By Location | Data Structure, C++

Dec 2022 – Jan 2023

- Developed a car sales parsing program in C++ utilizing a 2D hash graph for efficient storage
- Implemented a hash table to organize and access car data, using make and model as keys for quick lookups.
- Designed a trie data structure to facilitate fast searches of car data by country, enhancing data retrieval efficiency
- Utilized chained binary search trees (BSTs) to sort and manage car data by attributes

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (SQL Server, MySQL, PostgreSQL ), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, WordPress, Pygame, Django

**Developer Tools:** Git, VS Code, Jupyter Notebook, Microsoft PowerBI, Tableau, Eclipse, Android Studio

**Libraries:** pandas, NumPy, Matplotlib, Tensorflow, STL(C++)

**Other Tools:** Excel (VLOOKUP, Conditional Formatting, Pivot Tables, Interactive Dashboards)