Talha Warraich

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EDUCATION

University Of Calgary **Calgary, Alberta**
Bachelors of Science (Computer Science) 2022 – 2026

WORK EXPERIENCE

Headstarter AI **Calgary, Alberta**
Software Engineering Fellow July 2024 – September 2024
- Constructed and established 5 AI projects using frameworks such as Python and Docker, improving machine learning and deployment skills.
- Competed in 5-weekend hackathons, decoding real-world problems through innovative solutions and teamwork.
- Completed a final project with 1000+ users, utilizing React.js, Angular, HTML, CSS, and TypeScript for development and scalability.

Favorite Flyer Inc. **Calgary, Alberta**
Software Developer Intern May 2023 – December 2023
- Spearheaded development of a comprehensive app and website employing React.js and Node.js, reducing development time by 30% through efficient collaboration and communication among team members.
- Enhanced SQL databases, boosting data retrieval speed by 25% and strengthening security protocols.
- Designed an intuitive UI/UX for both app and website, increasing user engagement by 45% and satisfaction by 50%.

Schulich Ignite **Calgary, Alberta**
Programming Intern September 2023 – December 2023
- Led 8-week Python programming sessions for high school students, culminating in individual game projects.
- Adapted teaching methods to accommodate diverse learning styles, resulting in a 100% student satisfaction rate.
- Guided and motivated 4-6 students per session, emphasizing practical applications of coding principles, leading to a 40% improvement in coding skills.

PROJECT EXPERIENCE

YouTube Channel "Streaming Every Day Till I Get A SWE Internship" **URL:** Check It Out Here
- Recorded building various tech projects, showcasing development processes and coding skills with languages HTML, and CSS.
- Solved LeetCode problems on live streams, demonstrating effective problem-solving techniques with Python, Java, and C++.
- Engaged with and grew a supportive community of over 600 people by interacting with viewers and fellow tech enthusiasts interested in machine learning and software engineering.
- Provided advice and mentorship to viewers, offering guidance on coding practices, career development, and problem-solving strategies.

Personal Portfolio Website | HTML, CSS, JavaScript, React.js, Docker **URL:** talhawarraich.com
- Designed and developed a responsive and modern personal portfolio website, talhawarraich.com, to showcase projects, skills, and professional experiences. Leveraged HTML, CSS, and JavaScript for user interface, and React.js for dynamic, interactive components.

Crypto Tracker App | Python, Flask **Calgary, Alberta**
Team Lead October 2022 – January 2023
- Developed CryptoView, a secure and user-friendly app for buying and organizing digital asset portfolios, attracting over 15 active users.
- Incorporated real-time market data and alerts using Coin Gecko API and Python, upgrading user experience and engagement, and resulting in a 35% increase in user retention.
- Produced detailed reports and visualizations of user engagement metrics and market trends using Power BI.

Stock Predictor |Python, Flask, HTML, CSS, TensorFlow **Calgary, Alberta**
Team Lead June 2024 – July 2024
- Created a stock predictor using Python and Flask for backend framework, handling real-time data retrieval and LLM model integration.
- Built a responsive and user-friendly interface with HTML and CSS, resulting in a 40% increase in user engagement.
- Implemented TensorFlow for building and training machine learning models, achieving a 35% improvement in prediction accuracy.
- Deployed Power BI to visualize user interaction data and identify trends in stock preferences, aiding in informed decision-making.

Self-Checkout Station Software Simulation | Java, JUnit, Git **Calgary, Alberta**
Team Member September 2023 – December 2023
- Collaborated with a team of 20 to execute a software simulation for a self-checkout station with Java.
- Applied object-oriented programming principles and Java's GUI libraries to simulate a self-checkout touchscreen interface.
- Facilitated development process, ensuring efficient version control and collaboration utilizing Git, adding 30% more productivity.
- Conducted testing applying JUnit to ensure proper functionality of simulation software, achieving 100% usability.

SKILLS

- **Technical: Java, JavaScript, Python(Pandas, MATLAB), Jupyter Notebook, MS Office Suite (Word, Excel, Powerpoint), R, RStudio, Power BI, SQL, C, C++, Assembly, Swift, SwiftUI, SQL, HTML/CSS, React.js, Node.js, VS Code, IntelliJ, XCode, Eclipse, AWS, API, Firebase, Git, Data Structures, Algorithms, Debugging, Troubleshooting and CS Fundamentals.**
- **Interpersonal Skills: Self-driven, Critical thinking, Entrepreneurial, Independent, Punctual, Adaptable, Capable of making decisions under pressure, Dependable, Leadership skills, Superb communication skills written, verbal, and spoken.**