Abaan Noman

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Education

Carleton University   **Expected Graduation: May 2027**
Honours Bachelor of Computer Science | Minor Math   *Ottawa, ON*

- **GPA: 3.94**
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Discrete Math, Systems Programming, Database Management Systems

Work Experience

Warner Bros. Discovery   **Starting May 2025**
Software Engineer Intern   *Ottawa, ON*

- Incoming Software Engineer Intern at Warner Bros. Discovery

Carleton University   **Sep 2024 – Dec 2024**
Teaching Assistant - Calculus   *Ottawa, ON*

- Facilitated the learning of **100+** undergraduate students by conducting **weekly** tutorials and providing one-on-one support during office hours
- Graded **50+** quizzes and assignments, ensuring fair assessment and timely feedback, contributing to a **20%** improvement in student performance

Leadership

Founding Engineer, Wearhouse | *Website* | *Source Code*   **May 2025 – Present**

- Building a scalable used clothing marketplace using **Go**, **React**, **TypeScript**, and **PostgreSQL**, enabling seamless product listings, transactions, and authentication
- Integrated **JWT** authentication, **Stripe** payments, and **Cloudinary** storage, ensuring secure access, smooth transactions, and optimized media handling
- Automated testing with **Python scripting** and deployed a containerized backend utilizing **Docker**, improving system reliability and scalability

Projects

CUExaminer | *Website* | *Source Code*   **ReactJS | Spring Boot | PostgreSQL | Docker**

- Developed and deployed a full-stack web application that enhanced academic experiences of **700+ Carleton University students**
- Utilized **PostgreSQL** for data storage, **Spring Boot** for a **RESTful API** backend, and **ReactJS** for the user interface
- Hosted the application on **AWS** as an **EC2** instance, enabling seamless deployment and scalable infrastructure

DataWhisk | *Source Code*   **Python | NodeJS | PyTorch | Scikit-learn | Playwright**

- Built a neural network based sentiment analysis tool for a bakery using **BERT** and **PyTorch**, leading to a **10%** increase in sales and saving **14%** per month in ingredient costs
- Built an automated web scraping system with **NodeJS** and **Playwright**, collecting **1,350+** customer reviews, reducing manual data gathering time by at least **38%**.
- Extracted insights with **scikit-learn** and visualized trends using **Matplotlib**, helping the client focus on improving low-performing items.
- Streamlined data processing with **Pandas**, saving **15+** hours/month and reducing operational costs.

Ligalytics | *Website* | *Source Code*   **Pandas | Spring Boot | Python**

- **Scraped** and analyzed **450+** soccer players stats using **Python** and **Pandas**, integrating them into a **Spring Boot** app

Technical Skills

Languages: Python, Java, Go, JavaScript, C, C++, SQL, HTML, CSS

Developer Tools: AWS, Docker, Postman, Git, VirtualBox, Jira

Libraries/Frameworks: Spring Boot, ReactJS, NextJS, NodeJS, PostgreSQL, PyTorch, OpenCV, Pandas