

Faraaz Ahmed

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TECH STACK

Programming Languages: Python, Java, C, Bash/Shell, JavaScript, R, TypeScript, SQL, Swift

Frameworks & Libraries: React, Next.js, Tailwind CSS, Pandas, NumPy, Matplotlib, Seaborn, Ggplot2

Tools & Platforms: Git, Docker, Node.js, Prisma, Jira, Figma, REST APIs, Unix, SQLite, MongoDB, Postman

Software Development: OOP, Clean Architecture, SOLID principles, UML Diagrams, Shell Scripting, UX Practices

EDUCATION

University of Toronto

Sep 2022 – Present

Honours Bachelor of Science (HBSoc)

Toronto, ON

- Double Major in **Computer Science** and **Statistics** | Expected Graduation: December 2025
- Award: International Scholar at the Faculty of Arts & Science (\$100,000)

PROFESSIONAL EXPERIENCE

Cohere

Sep 2023 – Present

Senior Data Quality Specialist

Toronto, ON

- QA and optimization of LLM code outputs in Python, Java, HTML/CSS, JavaScript, C, and SQL.
- Ranking and analyzing machine learning data to identify errors and inaccuracies.
- Collaborated across teams to review and refine datasets to enhance performance metrics of LLMs, ensuring high-quality output.

PROJECTS

Scriptorium: Code Execution and Sharing Platform – *[In Progress]*

- Developed full stack app using Next.js, Prisma, TypeScript and SQLite for collaborative code sharing with syntax highlighting, blog post sharing and code template forking.
- Built a responsive frontend with React, and TailwindCSS, incorporating authentication via JWT, role-based access control, code template filtering, and blog post management.
- Containerized application using Docker to ensure secure, isolated deployments.

Web Accessibility Platform with *0 Barriers Foundation* – *[Private Repository]*

- Extended functionality of web accessibility testing platform using React, MongoDB, and Tailwind CSS, enabling automated WCAG compliance scanning and violation reporting.
- Implemented PDF accessibility testing system with detailed compliance scoring.
- Built robust user management system with role-based access control, enabling project organization

University of Toronto ASA DataFest 2024 – *3rd place winner*

- Utilized statistical methods and tools including Python (pandas, matplotlib) and R to deliver a comprehensive report on student engagement in collaboration with CourseKata.
- Managed a team of four to deliver actionable insights through advanced data analysis and modeling, ensuring an effective presentation to business executives and stakeholders.

Meal Master – <https://github.com/faraaz31/Meal-Master>

- Designed a meal planning application in Java following SOLID principles and Clean Architecture to generate personalized recipes with features such as calorie tracking, weekly meal scheduling, and grocery list creation.