Neha Sohail

🌐 Portfolio   ✉ Email   in Linkedin   ○ GitHub

Education

University of Toronto   **Sep. 2021 – May 2026**
Bachelor of Science in Computer Science (specialist)   *Mississauga, Ontario*
- **Deans List Scholar - Winter 2023**
- **Deans List Scholar - Winter 2024**
- **AWS certified - Developer Associate**
- **Relevant Coursework**: Software Design, Theory of Computation, Algorithms and Data Structures, Software Tools and Systems, Computer Organization, Probability, Machine Learning

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL, Ruby, .NET
Developer Tools: VS Code, Eclipse, PyCharm, IntelliJ, GitHub, Expo, Rider
Technologies/Frameworks: React Native, Django, GraphQL, Vue.js, Linux, JavaFX, MongoDB, Amazon Web Services

Experience

Xero   **May 2024 – current**
Software Engineer   *Toronto, Ontario*
- Enhanced the efficiency and reliability of data processing by implementing an advanced orchestration architecture using **Temporal** leading to a reduction in data processing time.
- Implemented Synthetic tests for services using web automation tool - **selenium webdriver** to monitor the performance every 5 minutes
- Utilized CI/CD tools such as **Github Actions and New Relic** to monitor application performance, identify bottlenecks, and proactively resolve issue

University of Toronto Aerospace Team - UTAT   **June 2025 – Current**
Data Processing member - Space Systems   *Toronto, Ontario*
- Conducted a comprehensive literature review in sensor modeling, geolocation algorithms, and photogrammetric processing techniques for high-resolution satellite imagery

Vidyard   **May 2023 – August 2023**
Software Developer   *Kitchener, Ontario*
- Developed features (frontend and backend) for self-serve subscription plans (**Plus and Pro**), spanning old and new versions using **vue.js** and **Ruby**
- Integrated **Stripe API** for seamless payment processing within the platform.
- Utilized **Datadog** to identify and prevent logging of over **75%** validation and card errors, enhancing monitoring accuracy.

Master of Management and Professional Accounting Uoft   **May 2022 – March 2023**
Marketing Lead of Design and Web   *Mississauga, Ontario*
- Utilized **Drupal CMS** to efficiently manage website updates.
- Developed, drafted, and coordinated social media content (instagram posts, reels, videos).

Projects

Google Developer Student Society Community Project – ELDEARLY | *React Native*
- Developed **React Native** application using **Expo** to empower elderly people with technology education.
- Integrated chatbot feature using ChatGPT API by OpenAI, with plans to incorporate natural language processing in the future.
- Incorporated text-to-speech feature using **Expo Speech module** to narrate provided text.
- Garnered exceptionally positive user feedback, with 90% acknowledging the app's efficacy in enhancing their daily routines and technological comfort.

Appointify | *Django, React JS, JavaScript, HTML, Tailwind CS*
- Co-Led team of 4 to develop a dynamic scheduling platform aimed at streamlining 1:1 meetings, enhancing scheduling efficiency for professors and students, reducing scheduling time by 50 percent
- Implemented user-friendly, scheduling and calender creation with robuts backend functionality using Djano and REST APIS for user authentication, scheduling and data management, handling over 2000 meeting requests.

Chatbot | *DialogFlow, Flask*
- Leveraged Google's **Dialogflow** to develop a currency conversion chatbot for seamless and intuitive user interactions.
- Designed and deployed a **Flask** web application with **Ngrok** to create a robust back-end for currency exchange functionality.

Leadership / Extracurricular

Mathematics and Computational Sciences Society
- Created impactful Instagram reels, increasing engagement rate by **70%**.
- Designed professional IEC materials for Deerhacks hackathon, enhancing branding and sponsorship packages.

Orientation Volunteer University of Toronto
- Outreached on campus about orientation and assisted first-year students in campus navigation.

Ambassador for COVID awareness campaign funded by World Wide Fund-WWF
- Developed IEC Material for awareness-raising and advocacy on water conservation policies through social media platforms.

Delegate
- **Brookdale International Education Centre, Lincroft, NJ, USA:** Strengthened analytical thinking by proposing solutions to real-world issues e.g. food insecurity in Somalia.
- **Roots Metropolitan Model United Nations:** As a delegate of Switzerland, conducted and presented research findings on women economic empowerment policies under UN women.