

VANSH SINGH

I'm a Software Developer specializing in building and designing exceptional digital experiences.
+1 780 708 1340 | vansh2@ualberta.ca | easyvansh.com | linkedin.com/in/easyvansh | github.com/easyvansh

EDUCATION

University of Alberta

Bachelors of Science (BSC), Computer Science

Edmonton, AB

Aug. 2021 – Current

EXPERIENCE

University of Alberta Library

Library Specialized Technical Support

Edmonton, AB

Feb. 2024 – Apr. 2024

- Provided technical support, managing team tickets, updating inventory, and verifying workstations at the DSC and Sperber Library.
- Improved helpdesk operations through expert troubleshooting and regular maintenance updates for desktop and laptop systems.
- Managed IT asset lifecycle, including device disposal and documentation per SMS guidelines.
- Facilitated hardware and software upgrades, improving system performance and reliability.

Shop Squad

App Developer Intern

Online, Singapore

May. 2023 – Aug. 2023

- Spearheaded the development of a cutting-edge React Native application, bolstering the group-buy functionality for a dynamic startup utilizing technologies such as React Native, Redux Toolkit, Express JS, Stripe
- Optimized app performance and user engagement by implementing Redux for state management, leading to a more responsive and intuitive user interface. Fortified the platform with robust security measures, incorporating secure payment gateways (Stripe) and seamless user authentication.

PROJECTS

News Nexus

React JS, Express JS, Node JS and News API

- Developed a responsive and interactive news aggregator website using the News API, providing real-time updates and comprehensive coverage from multiple sources. Implemented features such as topic-based navigation and country-specific filters, allowing users to customize their news feed according to their interests. Designed and integrated light and dark themes, offering a personalized and accessible reading experience across devices

Film Wizard

Python, Streamlit, Scikit, Pandas and NumPy

- Developed a movie recommendation system web application using the TMDB Movies Dataset, easing the movie-selection process experience for users. Implemented TF-IDF algorithms to deliver personalized movie suggestions based on user preferences and viewing history and designed and implemented a friendly GUI, ensuring seamless navigation.

Weather App

React Native, Weather API and Geolocation

- Engineered a real-time mobile application using React Native, providing up-to-the-minute weather updates. Seamlessly integrated Weather APIs to ensure precise weather data retrieval. Implemented geolocation features to automatically detect and display weather information based on the user's current location.

URL Shrinker

Node JS, Express JS, MongoDB, React JS

- Developed a simple and efficient URL shortening service, allowing users to convert long URLs into short, shareable links. Implemented click tracking and database storage, enabling users to monitor the number of clicks each shortened URL receives and manage their links.

QuickWit

Python, Tkinter and PyMuPDF

- Developed a feature-rich speed reading application, utilizing the Rapid Serial Visual Presentation (RSVP) technique to significantly boost reading speed and comprehension. Designed a user-friendly GUI for loading PDFs and text documents, allowing easy start, stop, and resume reading.

SKILLS

Languages: Python, C/C++, Javascript, SQL, MongoDB, HTML/CSS, Shell

Frameworks: React/Next JS, React Native, Node JS, Express JS, MVC, Agile, Pandas, Selenium, Scikit-learn, Matplotlib, Numpy, BitLocker.

Developer Tools: Git, Linux, Google Firebase (Auth, Firestore Storage), Google Cloud Platform, SQL, MySQL, MongoDB, Android Studio

HONORS, AWARDS AND OTHER INTERESTS

Treasurer: University of Alberta Film Society. Managed finances and budgeting for society events and operations.

International Student Scholarship: Awarded by University of Alberta.

Hackathons: Runner Ups at the Calgary Youth Hackathon for developing a web service for seeking mental health support.

Volunteer Work: Regular Member in UofA Film Society, English Conversation Club and Debate Club.