Vansh Singh

I'm a Software Developer specializing in building and designing exceptional digital experiences.

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EDUCATION

University Of Alberta   Edmonton, Canada
BSC Speciliazation, Computer Science   2021 – 2025
- Object Oriented Programming and Paradigms
- Data Structures and Algorithms
- File and Database Management Systems

Doon International School   Dehradun, India
XII (CBSE)   2021

PROJECTS

Shop Squad   **(React Native, Redux ToolKit and Stripe)**
- Spearheaded the development of a cutting-edge React Native application, bolstering the group-buy functionality for a dynamic startup.
- Fortified the platform with robust security measures, incorporating secure payment gateways(stripe) and seamless user authentication.
- Elevated user engagement and satisfaction by crafting an aesthetically pleasing user interface and optimizing the overall user experience.

Weather App   **(React Native, Weather API & 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 advanced Geolocation functionality, enabling automatic detection of the user's current location for a seamless experience.

Film Wizard   **(Python, Streamlit, Scikit, Pandas & 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.
- Designed and implemented a friendly GUI, ensuring seamless navigation.

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.
- Actively contributed to the open-source community by developing Quick Wit and making it available for public use.

ABOUT ME

- Tech enthusiast, constantly learning and contributing to projects.
- Team player, fostering collaboration and positive dynamics.
- Clear communicator, ensuring project success through collaboration.

SKILLS

- Python · C/C++ · JavaScript SQL · MongoDB· HTML/CSS
- React Native/JS· Git · Node Pandas · Selenium · VS Code BeautifulSoup · NumPy · Django
- Git · Linux · Google Firebase MySql · SQLite · Android Studio HeroKu · Google Cloud Platform
- English · Proficient Hindi · Native

HONORS AND AWARDS

2021 **International Scholarship**
      University of Alberta

2021 **Second-Ranked Team**
      Calgary Youth Hackathon

OTHER INTERESTS

VOLUNTEER	Conversation Club Debate Club
BOOKS	Non Fiction Classic
AUTOMATION	Artificial Intelligence Machine/Deep Learning
ANIME & MANGA	Shonen