

Shubhkaran Dhillon

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Professional Summary

Motivated Computer Science student with over a year of software development experience. Passionate about advancing software quality and innovative development, I seek opportunities to contribute to dynamic development teams. My strong problem-solving abilities, commitment to continuous improvement, and hands-on experience in software development make me an ideal candidate for roles in the technology sector.

Education

University of Alberta

Expected December 2024

Bachelor of Science in Computer Science

Edmonton, Alberta

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering , UI/UX, Web Development, File and Database Management, App Development , Machine Learning , Artificial Intelligence , Object-Oriented Programming , Statistics and Applications , Computer Networks, Network Security , File and Database Management, Information Retrieval, Operating Systems

Projects

QR Code Event Check-In | Java

- Developed an intuitive Android application for event management, enabling attendees to check in via QR codes.
- The system facilitates real-time attendance tracking, event detail management, and notification distribution to participants.
- Integrated Google API for location tracking in the QR Check-In app, enabling precise, real-time location services that enhanced the app's utility and user satisfaction.
- Contributed for designing the user interface (UI) of the QR Check-In app, focusing on user-centric design principles to ensure intuitive navigation and a seamless user experience.
- Designed the schema in Firebase Database for storing users information.

Library Management System | Java, JavaScript, SQL

- Developed a library management system to manage books, members, and borrowing activities.
- Implemented functionalities for adding, updating, deleting, and searching for books in the library's collection.
- Created member management features including registration, information updates, and viewing member details.
- Built a borrowing system to track book borrowing and return activities, with due dates and overdue notifications.

FEELFLOW | Python, TensorFlow, Django, React.js

- Contributed to NeuroTech Hackathon, creating FeelFlow—an innovative emotion regulation app.
- Utilizes computer vision and optional Muse2 integration, powered by ChatGPT API for personalized responses based on real-time emotional analysis
- Offers a holistic approach to emotional support, merging AI, biometric data, and user interaction for enhanced well-being.

Technical Skills

Languages: Python, Java, XML, C/C++, HTML, CSS , Javascript/TypeScript, SQL, NoSQL, R

Technologies: React.js, Django, TensorFlow, PyTorch, Bootstrap, Git, Android SDK, Node.js, MongoDB, Wireshark, Cnet simulator, Firebase, AWS, Nmap

Concepts: Software Engineering, Data Structures, Algorithms, Object-Oriented Design, Database Management, Web Development, Machine Learning, Agile, CI/CD

Certifications

- AWS Certified Cloud Practitioner
- Intro to the Tools and Techniques of Data Science - IBM
- Data Science Tools - IBM