Jasmeen kaur

Front-end Developer

jasmeensohi001@gmail.com +1 (587) 378-7665 Calgary, Alberta, Canada

https://www.linkedin.com/in/jasmeen-kaur-1259912b6/ https://github.com/jasmeen0001

PROFILE

Innovative and detail-oriented Software Developer with a strong background in Flutter, Front-End Development, and Object-Oriented Programming. Proficient in C++, Java, Python, and experienced in system design. Adept at machine learning and software architecture, with practical experience in building scalable applications and managing live projects.

Previously worked at iHub-AWaDH, IIT Ropar, where I contributed to API development and front-end enhancements. Served as Machine Learning Core Lead for the Google Developer Student Club, organizing technical workshops and competitions. Active in IEEE Women in Engineering, with a passion for fostering innovation and collaboration.

Currently pursuing a Master of Engineering in Electrical and Computer Engineering at the University of Calgary, eager to apply my skills in software development, system architecture, and data-driven solutions. Seeking opportunities that allow me to build impactful software solutions and advance in the field of technology.

PROFESSIONAL EXPERIENCE

Front-End Developer | iHub-AWaDH, IIT Ropar
January 2024 – June 2024

During my internship at iHub-AWaDH, IIT Ropar, I worked under CPS Labs, contributing to the Onion Project and Weather Monitor Project. These live projects focused on agriculture and environmental monitoring, leveraging sensor data to provide real-time insights. My primary role was to develop and enhance web interfaces using Flutter, ensuring seamless data visualization and user experience.

Key Contributions:

Onion Project:
- Designed an interactive dashboard to track weather in the onion stores.
- Integrated APIs to fetch real-time data on temperature, humidity, and storage metrics.
- Developed a user-friendly UI for farmers and researchers to monitor conditions.

Weather Monitor Project:
- Built a web interface to display live weather data from deployed sensors.
- Implemented search and filter functionalities for historical weather analysis.
- Optimized data visualization with majorly graphs.

These projects enhanced my expertise in Flutter, API integration, and UI/UX design, while also deepening my understanding of agriculture-based sensor applications.

CERTIFICATES

Python – Udemy
Completed an in-depth course covering Python programming fundamentals, object-oriented programming (OOP), data structures, and libraries such as NumPy and Pandas.

Java – Thinknext Technology Pvt. Ltd.
Gained hands-on experience with Java, including core concepts, object-oriented programming (OOP), exception handling, file I/O, and multithreading.

Android app Deleopment – Internshala
Mastered CSS for designing visually appealing web pages, focusing on layouts, responsiveness, and animations to create seamless user interfaces.

English Speaking – Thinknext Technologies
Enhanced communication and presentation skills with a focus on business English, speaking fluency, and professional interaction techniques.

EDUCATION

University of Calgary, Calgary, AB
Master of Engineering in Electrical and Computer Engineering 2024 - Present
Software Specialization | 2024 - Present

Punjab Technical University, Punjab, India 2020 – 2024
B.Tech in Computer Science and Engineering
CGPA: 8.5/10

SKILLS

Flutter.	Java	Python	CSS
HTML	C++		

TRAINING AND COURCES

Complete Python Bootcamp:
Comprehensive course covering Python basics to advanced topics, enhancing problem-solving and coding skills.

Android App Development:
Gained hands-on experience in building Android applications, focusing on Java and Android SDK.

Programming in Java:
A focused course to deepen understanding of Java, covering key concepts such as OOP, data structures, and algorithms.

Web Development with Flutter:
Trained in building web applications with Flutter, mastering the development of cross-platform solutions.

PROJECTS

D-CARE (Java)
Developed a Java-based Hospital Management System designed to facilitate online appointment booking, remote consultations, and patient management. The system allows patients to schedule appointments, view medical history, and communicate with healthcare providers in real time. The project focused on improving the efficiency and accessibility of healthcare services by leveraging technology for remote care.

CAR SALES MANAGEMENT SYSTEM (Python)
Created a Python-based system for car sales management, allowing users to generate receipts and manage customer purchase information. The system integrates inventory management and sales tracking, offering a seamless way to handle the complete sales process from customer interaction to payment processing. This project emphasized user-friendly design and data accuracy.

HELIO (Web-based Healthcare System)
Designed and developed a web-based healthcare system using React, MySQL, Python, Java, SpringBoot, AWS, and integrated a Large Language Model (LLM) for natural language processing. The system serves patients, healthcare providers, and admins, enabling efficient management of appointments, diagnoses, and clinic operations. The LLM enhances query processing, automates documentation, and offers personalized healthcare suggestions. With cloud infrastructure, modern web technologies, and LLM integration, the system ensures scalability, reliability, and a user-friendly interface.

SIGN LANGUAGE DETECTION SYSTEM (Python)
Developed a Sign Language Detection System using Python, which recognizes and interprets sign language gestures in real-time. Using machine learning techniques and computer vision, the system converts sign language gestures into text or speech, facilitating communication for hearing-impaired individuals. The project focused on accuracy and responsiveness in real-time gesture recognition.

ACMEPLEX (Movie Ticket Reservation App)
Developed a Movie Ticket Reservation App for AcmePlex, enabling users to browse showtimes, select seats, make payments, and manage reservations. The system offers additional perks for registered users, such as discounted cancellations and early access to movie news. Built with Java, MySQL, and web technologies, this project emphasizes modularity, scalability, and user engagement.
tle bit of body text

PROFFESIONAL ENGAGEMENT

IEEE Student Member (May 2022 – July 2023)
As an IEEE Student Member, I participated in technical events, workshops, and seminars, gaining access to resources and networking opportunities that expanded my understanding of current engineering trends and fostered my professional growth.

IEEE Women in Engineering Member (Aug 2022 – Aug 2023)
As a member of IEEE Women in Engineering, I engaged in initiatives promoting gender diversity and supporting women in engineering. I connected with female engineers, attended leadership events, and contributed to mentoring efforts within the STEM community.