

Sanyam Jain

sanyamj.153@gmail.com | 226-998-9344 | [Linkedin](#) | [Portfolio](#)

Experience

HCI RESEARCH ASSISTANT , Insights Lab- Western University, CA	Sep 2023 – Present
<ul style="list-style-type: none">Lead comprehensive UX research initiatives such as usability testing, contextual inquiry, interviews, and surveys.Synthesized findings into actionable insights- developing user personas, mapping user journeys, detailed reports that guide cross-functional teams (design, product, engineering) in agile development cycles.	
TEACHING ASSISTANT , Western University	Sep 2023 – Present
Analysis of Algorithms (CS 3340B) - Demonstrated how algorithmic complexity impacts user experience & performance	
Multimedia & Communications (1033A) - Advised on evidence-based research methods & user-centered design on UX	
Human-Computer Interaction (4474B) & Integrated Science (1001X) - Mentored students in usability testing, heuristic evaluations to elevate final design outcomes and design principles	
Multimedia & Communications 2 (2033A) - Guided interactive media design and refined usability strategies	
DATA & PRODUCT EXPERIENCE INTERN , Elite Techno Groups	Jul 2021 – Sep 2021
<ul style="list-style-type: none">Developed a JSON-based inventory system (increasing retrieval speed by 30%), leveraged Matplotlib/Pandas/NumPy for bottleneck discovery, and refined UI elements in sync with developer feedback	
SOFTWARE DEVELOPER INTERN , S.S.TECH	April 2022 – Sep 2022
<ul style="list-style-type: none">Engineered a web and Android app (boosting checkout efficiency by 20%), enhanced communication devices with user research insights, & streamlined milestones through open design dialogues	
AAI INTERN , Airports Authority of India	Aug 2022 – Sep 2022
<ul style="list-style-type: none">Explored AI-driven AMSS for real-time air traffic, gaining cross-functional insight into mission-critical protocols	

Key Projects

Adverse Event Reporting Interactive Visualization - Developed a single-page, interactive OpenFDA-based interface applying HCI principles, significantly enhancing data presentation and user clarity	
Ayurvedic Solutions for All Diseases - Marries ancient Ayurvedic principles with modern software to deliver personalized healthcare insightse	
Public News App - Redefined public news presentation with an engaging and intuitive UI	
Healthcare Appointment Webpage A well-structured platform merging seamless doctor discovery, user-friendly appointment booking, and real-time filter options	

Publications

ENVISION OpenFDA Adverse Drug Events Database Exploratory Interactive Visualization	2025
Time-Varying Frequency Estimation of Narrow Band Signals ISBN No: 978-81-954164-4-8	2023
Semantic Parser Using a Sequence-to-Sequence RNN Model to Generate Logical Forms	2023
10.1007/978-981-19-8563-8_27	
Establishing Communication Between Neural Network Models 10.1007/978-981-19-8563-8	2023
Design and Development of a Solar-Based Wireless Electric Vehicle Charging System	2024
10.1007/978-981-99-6749-0_32	

Technical Skills

Languages & Frameworks: Python, Java, C++ , SQL, HTML/CSS, JavaScript, Bootstrap, MATLAB	
Software & Libraries: D3.js, Figma, Git, Android Studio, Matplotlib, Underscore.js, Pandas, NumPy, Sklearn	
Collaboration & Approach: Agile/Scrum, Iterative Development, Hypothesis-Led Planning, Wireframing, Prototyping, Data Synthesis (Quantitative Qualitative Analysis), Usability Studies, Contextual Inquiry, Literature Reviews, Persona Development	

Leadership & Volunteering

Vice-President Computer Society of India, MAIT	2022
Social Volunteer Rotaract Club of Rohini	2021

Certifications

Human-Computer Interaction Western University	2024
Google Data Analytics Google	2024
Machine Learning & Deep Learning U demy	2023
Java Level 1 & 2 Cambridge Certification Authority	2023
Microsoft Technology Associate Microsoft	2024

Education

University of Western Ontario , Masters in Computer Science (Thesis in HCI) 3.7 GPA	2023 – 2025
Guru Gobind Singh Indraprastha University , B.Tech in EEE 3.6 GPA	2019 – 2023