

# SUMEDH SUPE

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I am a passionate technologist focused on creating impactful solutions at the intersection of design, engineering, and business. With a strong background in AI and machine learning, I leverage human-centered design principles to deliver transparent and effective solutions across diverse industries like healthcare, forestry, and education. Proficient in tools such as Python, TensorFlow, and Figma, I excel in user research, strategic planning, and prototyping to drive measurable outcomes and foster innovation. I want to help people have agency over technology and I believe AI can help make that happen.

## SKILLS

- **Human-Centered Design:** User Research & Requirements gathering, Interviews, Contextual Inquiries, Usability Testing, Interaction Design, Prototyping, Journey Mapping
- **Programming Languages:** Python, C++, Swift, JavaScript, SQL, R
- **Tools and Platforms:** Git, TensorFlow, CoreML, Tableau, Figma, ChatGPT, Rasa
- **Additional Skills:** Project Management, Data Analysis, Machine Learning, Ethics in AI, Strategic Planning, Value Stream Mapping, Process Automation, Roadmap Development, Stakeholder Engagement, Requirement Mapping, Probabilistic Design, Conversational Design

## EDUCATION

**University of Washington, Master of Science**, Technology Innovation (Human-Computer Interaction, IoT)  
*Relevant Courses: User Research, Business Strategy, Design Thinking, HW/SW Engineering, Ethics and Futures Thinking, Interaction Design, Visual Communication*

**IIITDM Jabalpur, Bachelor of Technology**, Electronics and Communication Engineering

## PROFESSIONAL EXPERIENCE

### Experience Designer

June 2024 - Present

*Tasveer.org | Seattle*

- Established standardized procedures for digital tools and data annotation workflows, facilitating quick turnaround for 2000+ attendees' event requirements.
- Introduced a central internal wiki and templates to optimize information flow and reduce manual overhead by 80%.
- Coordinated with multiple stakeholders (film producers, filmmakers etc) to define requirements, improve asset tracking, and ensure consistent quality of deliverables.
- Leveraged automation to streamline repetitive tasks, cutting operational costs by over 90%.

### Product Manager and UX (Graduate Apprenticeship)

Sep 2023 - Mar 2024

*Allen Institute for AI | Seattle*

- Defined and iterated on annotation and evaluation requirements for an AI-based augmented reality app, coordinating with a cross-functional 4-person team.
- Conducted 4+ user study rounds, gathering feedback to streamline data collection and improve workflow efficiency by 50%.
- Implemented structured feature development cycles, resulting in enhanced data accuracy by 80%.
- Prepared documentation and process guides for future integration of features, ensuring clear standards and smooth handoffs.

### AI Health Diagnostics Solutions Consultant

Oct 2023 - Dec 2023

*PATH | Seattle*

- Evaluated and documented over 500 AI-based diagnostic solutions, creating a standardized comparison framework and reporting processes.
- Managed relationships with 5 strategic development partners, ensuring alignment on requirements and timely evaluation deliverables.
- Produced resource maps and procedural guides for data handling, informing organizational decision-making and future vendor selection processes.

### Research Intern Human-Centered Computing

May 2021 - Jul 2021

*Freie Universitat Berlin | Berlin*

- Engineered explainability modules for healthcare NLP chatbots, improving user comprehension of AI-generated results by 40%.
- Utilized LIME explainability algorithms to support healthcare practitioners in interpreting NLP and ML pipeline outcomes.
- Conducted user research to enhance chatbot functionality and reduce unnecessary interactions by 80%.

## KEY PROJECTS

### User Researcher: Domestic Abuse During Lockdown

Apr 2020 - May 2020

*Brewing Equality | India*

- Co-designed with domestic violence survivors; creating actionable insights into the rising domestic violence cases during the lockdown.

### Telemedicine in Rural India

May 2019 - Jun 2019

*Society for Research and Initiatives for Sustainable Technologies and Institutions | Gujarat*

- Conducted user research and implemented satellite internet solutions to enhance PHC access in remote areas.
- Boosted telemedicine accessibility tenfold through strategic partnership development with SAC ISRO.