Sonakshi Jamadhiar

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EDUCATION

M.S. in Human-Computer Interaction, University of Maryland, College Park 2026 – 2028

- Selected for the **Grand Challenges Graduate Community (GC^2): AI & Knowledge**, an interdisciplinary graduate cohort focused on human–AI interaction, understanding, and knowledge creation.

B.Tech in Computer Science and Engineering, PES University, Bangalore 2020 – 2024

- Co-authored a peer-reviewed IEEE conference paper applying CNN and ConvLSTM models to cyclone and air-quality prediction.
- **Marketing Lead, DSGNR (Art & Design Club)** – Led social media strategy and design-driven campaigns, increasing reach by 200%.
- **Membership Chair, Equinox (Space Club)** – Managed onboarding, engagement, and events for a 600+ member student community.

EXPERIENCE

Product Management Intern, Aereo (Drone-Mapping SaaS) Bangalore | Feb 2024 – May 2024

- Conducted 6 in-person research sessions with GIS analysts, mapping workflows from raw drone imagery to processed geospatial outputs to identify pain points and inform product decisions.
- Synthesized research findings into actionable usability gaps across core analytics workflows, logging prioritized issues directly in Jira for the development team.
- Authored 350 UAT test cases for the analytics platform, validating feature behavior against user requirements before enterprise release.
- Revamped the Aereo Cloud user manual based on observed user confusion, clarifying workflows and addressing recurring onboarding challenges.

Machine Learning Intern, Genpact (Digital Transformation) Bangalore | May 2023 – Jul 2023

- Assisted in building and deploying a YOLOv5 computer-vision pipeline on AWS EC2 and S3 to automate utility-pole component detection for a utility company client.
- Integrated YOLOv5 with Label Studio as a backend, automating bounding-box annotation across 30,000+ images and reducing reliance on manual labeling.
- Prepared annotated training data in COCO format, supporting end-to-end model training and deployment.

Product Design Intern, BrainSightAI (AI & Neuroscience Startup) Bangalore | Mar 2023 – May 2023

- Analyzed fMRI brain-mapping and tractography workflows using MRIcroGL and MRView to understand clinical neuroimaging processes and inform product and design decisions.
- Designed clinical brain-mapping reports in Adobe InDesign, organizing tract visualizations, network maps, z-scores, radiologist impressions, and contextual explanations to make complex neuroimaging information more interpretable.
- Defined 23 user stories and acceptance criteria across 9 VoxelBox screens, covering administration, hospital management, patient uploads, and onboarding flows to guide engineering implementation.

SKILLS

UX Research & Evaluation: User Interviews, Contextual Inquiry, Usability Testing, Qualitative Analysis, Research Synthesis, UAT
Product & Design: Information Architecture, Interaction Design, Wireframing, Prototyping, User Flows, Requirements Gathering, User Stories, Figma
Data & Analytics: Python, SQL, Pandas, Excel, Data Visualization
Technical: HTML/CSS, JavaScript, Git/GitHub, AWS