**SUMMARY**

* UX and Human Factors Researcher with 6+ years of specialized experience applying innovative research methodologies across healthcare, aviation and academic domains
* Pioneered 25+ comprehensive research initiatives involving diverse user groups, complex workflows and high-stakes scenarios. Collaborated with cross-functional stakeholders, optimized resources and secured proposals supporting over $1M in business revenue

**SELECT WORK EXPERIENCE**

**Human Factors Researcher 10/2024 – PRESENT  
 Core Human Factors | Full-time Bala Cynwyd, PA** 

* Design advanced formative, summative and comparative-use studies ensuring safe and effective use of medical devices and combination products, in ethical compliance with FDA standards and guidelines
* Uncover critical use-related risks and design hazards through in-depth task-analysis, precision-designed simulated-use studies, field observations and in-depth structured interviews
* Develop comprehensive regulatory submissions through meticulous documentation, technical report authoring and efficient cross-functional stakeholder coordination

**Human Factors Intern 05/2023 - 08/2023  
 Wisk Aero | Internship Mountain View, CA**

* Executed full-cycle UX research for 3 large-scale formative and usability tests evaluating rapid-prototype UI concepts within an accelerated 12-week timeframe
* Implemented advanced mixed-method approaches—integrating A/B testing, eye-tracking analytics, structured interviews and rating scales—to transform UI usability evaluation
* Designed critical UI overhauls based on human-centered principles and regulatory standards, measurably enhancing flight safety, reducing cognitive load by 25% and improving operational scalability

**Mixed Methods Researcher 08/2019 - 12/2024  
 University of Delaware | Full-time Newark, DE**

* Designed and executed 10+ large-scale research studies supporting projects worth $1M+ in competitive funding. Presented key research breakthroughs at international symposia and conferences
* Trained 10+ researchers, architected large-scale research databases (1000+ records), optimized lab resources and implemented gold-standard protocols for ethical data collection from over 2,000 participants

**Research Manager 09/2017 - 05/2019  
 University of Texas at Dallas | Full-time Dallas, TX**

* Refined participant recruitment methodologies across multiple research sites, developed thorough testing protocols and conducted advanced physiological data analysis (heart rate, skin conductance) using custom MATLAB and R algorithms

**EDUCATION**

**Ph.D., Cognitive Psychology |** University of Delaware, DE | 2024

**M.Sc., Cognitive Neuroscience |** J.N. Tata Scholarship | University of Amsterdam, Netherlands | 2017

**B.A., Psychology |** St, Xavier’s College, India | 2013

**SKILLS**

***Qualitative Research*:** User Interviews, Moderated & Unmoderated Usability Testing, Thematic Analysis, Prototype & Concept Testing

***Quantitative Research*:** Advanced Statistical Modeling, Psychophysics, A/B Testing, Eyetracking, Data Visualization & Analytics

***Tools*:** R/MATLAB/Shell, SPSS, iMotions, Harvest, Jira