

SANJIV SURESH

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Human Systems Engineering (HSE) Undergraduate | User Experience & Human Factors

SUMMARY

Human Systems Engineering student with applied experience in Cognitive Task Analysis (CTA), workflow evaluation, and human factors research within complex systems, including healthcare contexts. Demonstrated ability to identify usability risks, cognitive load drivers, and error-prone interactions in safety-critical environments. Skilled in translating task analysis findings into clear, actionable recommendations to improve system usability, efficiency, and safety. Seeking a Summer 2026 internship in human factors, user experience, or systems-oriented roles.

EDUCATION

Arizona State University – Polytechnic Campus
Bachelor of Science in Human Systems Engineering
Expected Graduation: May 2028
GPA: 3.10

Relevant Coursework: Cognitive Task Analysis, Human Systems Engineering, Applied Social Science, Engineering Fundamentals, Statistics for Human Systems Research

PROJECT EXPERIENCE

Cognitive Task Analysis (CTA) – Medical Coding Workflow
Course Project | Arizona State University | Fall 2025

- Planned and conducted a semi-structured Cognitive Task Analysis interview with a subject matter expert
- Mapped end-to-end workflow including 12+ task steps and decision points
- Identified high-risk cognitive load areas related to system navigation and information recall
- Evaluated usability and human-system interaction factors contributing to error susceptibility
- Produced a findings report with recommendations to reduce cognitive strain and improve workflow safety

ADDITIONAL EXPERIENCE

Technical Production Support (Volunteer)
San Diego Malayalam Association | 2023

- Supported lighting setup and camera positioning for short film production
- Collaborated with a cross-functional production team to maintain visual quality
- Assisted with post-production editing workflow and final delivery

SKILLS

Human Factors & Research Methods:
Cognitive Task Analysis, User Interviews, Task Flow Mapping, Workflow Analysis

Analysis & Documentation:

Cognitive Load Assessment, Error Risk Identification, Systems Thinking, Technical Documentation

Tools:

Microsoft Word, Excel, PowerPoint, Google Workspace, Figma (Basic)

AREAS OF INTEREST

Human Factors Engineering, User Experience, Systems Design, Safety-Critical Systems, Human-System Interaction