

Anvitha Nachiappan

McLean, VA | anvitha2828@gmail.com | 571-524-9217 | anvithanachi.com

SUMMARY

*Product manager with 3+ years of experience building AI-enabled products and technology capabilities from concept to delivery. Combine **systems engineering and human-centered design** to translate complex user needs into product strategy, roadmaps, and user-centered solutions by partnering with engineering and cross-functional stakeholders.*

EXPERIENCE

SYSTEMS ENGINEER PRODUCT MANAGER | MITRE (Active TS/SCI)

Sep 2023 – Present

- **AI Anomaly Detection Tool:** Owned product definition and end-to-end delivery of an ML-powered tool, defining user requirements and experience, backlog prioritization, and cross-functional alignment across data science and dev teams.
- **Mission Planning Workflows:** Mapped end-to-end user journeys, ownership, data flows, and timing dependencies to translate stakeholder needs into prioritized requirements and measurable operational outcomes
- **Autonomy Strategy:** Built an enterprise-level product strategy and roadmap enabling remotely piloted Air Force operations by synthesizing interviews with 120+ operators and leaders into prioritized and actionable recommendations

SUMMER ASSOCIATE | Institute for Defense Analysis

May 2022 – Aug 2022

- Applied statistical analysis to identify the optimal method for calculating part demand rates on naval aviation systems and built a reusable data analytics pipeline in R, directly informing sustainment planning decisions

UNDERGRAD RESEARCHER | M3Lab & COGENT Lab

Aug 2020 – May 2022

- Presented research on AR Head-up Displays, developing new measures of effectiveness on novel user interfaces at IISE Conference 2021
- Conducted human subjects study with 20 participants evaluating effects of system reliability and transparency on driver performance and trust in automated vehicles

NAVSEA INTERN | Naval Sea System Command 05D1

Sep 2020 – Apr 2022

GRADUATE ASSISTANT | CEED

Aug 2020 – May 2022

PROJECTS

MIXED REALITY SAFETY TRAINING | Abbott Nutrition

Aug 2021 – May 2022

- Scoped and delivered a Mixed Reality Safety Training module (HoloLens, Microsoft Guides) from stakeholder requirements through to a working, testable release

DESIGN TEAM MEMBER | Team Juvo

Aug 2018 – Apr 2019

- Designed a custom assistive device enabling computer access for a user with C4 spinal cord injury, translating direct user feedback into an iterative design process; 1st Place, SourceAmerica National College Design Challenge

EDUCATION

VIRGINIA TECH | Blacksburg, VA

2023 **M.Eng.** Human Factors Engineering and Ergonomics

2022 **B.S.** Industrial and Systems Engineering | **Minor:** Computer Science

SKILLS

Tools & Software: Tableau, MATLAB, Sketch, Cameo, iGrafx, RStudio, SIMIO, @RISK

Programming & Modeling: Python, R, SysML, Java

Certifications: Six Sigma Green Belt