Abimanyu Ananthu

📍 Colorado Springs, CO ✉ asa174@rutgers.edu 📞 9254136795 in abimanyuananthu ⌗ ab1manyu

Clearance and Certifications

Active Secret Clearance	**Feb 2025**
CompTia Security+ Certification	**Feb 2025**

Experience

Software Engineer	**Jan 2024 – Current**
L3Harris Technologies	*Colorado Springs, CO*

COUNTER COUMMUNICATIONS SYSTEM (CCS)

- Modernized the ISW (Infrastucture Software) by re-architecting one of the frontend missions into **React**, integrating **Cesium ion** to enable high-performance, real-time rendering of 3D geospatial assets
- Upgraded the user management page using **FreeIPA** on the current Space Force EW software
- Developed **Ansible Playbooks** for automating configuration process for custom hardware setups on CCS
- Authored Interface Control Documents (**ICDs**) and Software Description Documents (**SDDs**) from inception to PLM release, establishing standardized templates to streamline future development and review

GROUND BASED RADAR MAINTENANCE AND SUSTAINMENT SERVICE (GMASS)

- Designed the GMASS Analytics dashboard using **JavaScript** and **React** to showcase weekly data updates on radar calibration metrics, and implemented a **REST API** toolkit with **Python** for RMA calculations
- Implemented classified verification procedures in **MATLAB** to test system performance measures (TPMs)
- Conducted long term predictive trend analysis on UEWR calibration metrics, enabling proactive strategic planning and decision-making for Depot Maintenance action items

ENHANCED METRICS SYSTEM (EMS)

- Assisted EMS codebase migration from **C#** to **Python**, verifying source of truth and resolving discrepancies to maintain system reliability and accuracy

SDE Intern	**Sept 2022 – Dec 2022**
Amazon Pharmacy	*Seattle, WA*

- Implemented prescription refill functionality from a monolithic system written in **Ruby On Rails** to a scalable microservice using **TypeScript**, enabling flexible integration with partner hubs and pharmacies

Software Engineering Intern	**May 2022 – Jul 2022**
L3Harris Technologies	*Remote*

MEADOWLANDS

- Contributed to the UI of IMTS (Instuctor Management Training Suite) using **TypeScript** and **React**
- Used a plethora of industry standard tools such as **Jira**, **Confluence**, **BitBucket**, **Git**, and **Jest**

Education

Rutgers University – New Brunswick	**Sep 2019 – Dec 2023**
Bachelor of Science, Computer Engineering and Computer Science	*GPA: 3.62/4.0*

- **Courses:** Data Science, Machine Learning, Algorithms, Computer Architecture, Data Structures

Projects

RedditClone [JavaScript, ExpressJS, MongoDB]	**Feb 2021 – May 2021**

- Pair-programmed a functional barebones web-app clone of Reddit
- Features include capability for users to create/edit/delete accounts, subreddits, posts, and comments