

# Anand Ravindran

530-220-8047 | [aravin16@asu.edu](mailto:aravin16@asu.edu) | [proxbar.github.io](https://proxbar.github.io) | [linkedin.com/in/anandr45](https://linkedin.com/in/anandr45) | [github.com/proxbar](https://github.com/proxbar)

## EDUCATION

### Arizona State University

*Master of Science in Computer Science*

Relevant coursework: Artificial Intelligence, Statistical Machine Learning, Software Security

**Tempe, Arizona**

*Aug 2024 – May 2026*

### Manipal Institute of Technology

*Bachelor of Technology in Computer Science*

Relevant coursework: Computer Networks, Principles of Cryptography, Internet of Things, Information Security

**Manipal, India**

*July 2018 – Aug 2022*

## TECHNICAL SKILLS

**Languages:** Python, C/C++, Go, Bash, JavaScript, HTML/CSS, SQL

**Frameworks:** React, Next.js, PyTorch, TensorFlow

**Developer Tools:** Kubernetes, Docker, Git, Prometheus, Grafana, Hugging Face

**Cloud Platforms:** AWS, GreenLake

## EXPERIENCE

### Cloud Engineer I

*Hewlett Packard Enterprise*

**Aug 2022 – Aug 2024**

*Bangalore, India*

- Worked on creating an air-gapped version of HPE's Private Cloud Enterprise product to ensure maximum operational security for customers
- Developed Golang APIs to handle and respond to specific Apache Kafka events sent to designated endpoints
- Developed Python and Bash scripts to dynamically update role-based permissions for an authz mechanism
- Expanded ESXi clusters and created ServiceNow integrations for infrastructure management
- Enabled FIPS compliance for systems, such as SLES, MinIO, and Postgres, ensuring adherence to security standards
- Wrote unit test cases in golang to support the testing, development, and integration of back-end services
- Ported the GreenLake UI to an air-gapped version by containerizing components with Docker, Kubernetes, & Nginx
- Developed a comprehensive monitoring solution by integrating Prometheus and Grafana for metrics tracking

### Research and Development Intern

*Hewlett Packard Enterprise*

**Jan 2022 – July 2022**

*Bangalore, India*

- Created a security feature to safeguard and protect user data using Docker, Bash, and Kubernetes
- Initially explored and created POCs for the security feature using golang to create a custom shell, followed by using UNIXs chroot mechanism

### Software Engineer Intern

*Innoright Solutions*

**Feb 2021 – Apr 2021**

*Hyderabad, India*

- Worked on creating a healthcare product using AI and React
- Trained predictive models to detect agitated behavior and seizures in individuals from video data

## PROJECTS

### Track the International Space Station — Web Dev | *HTML5, CSS3, Javascript*

**2021**

- Developed a website to track the International Space Station in real-time using HTML5, CSS3, and JavaScript
- Leveraged the wheretheiss.at API to retrieve real-time coordinates of the International Space Station
- Utilized the Leaflet API to display the current location of the ISS on a map using the retrieved coordinates

### 2D Platformer game with Python | *Python, Pygame*

**2018**

- Developed a 2D platformer game using Python 2 and Pygame
- Designed 5 levels with progressively increasing difficulty
- Implemented a high score feature to display a leaderboard across all attempts

### Augmented Reality food picker — iOS Application | *Swift, ARKit, Javascript, Bootstrap, Git*

**2018**

- An iOS application called "Food Eye" built using Apple's ARKit during the Techathlon '18 hackathon organized by National Institute of Technology, Calicut
- The application enabled food selection through an app, with QR code scanning then rendering an augmented reality representation of the chosen dish on the table