Anand Ravindran

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EDUCATION

Arizona State University	**Tempe, Arizona**
Master of Science in Computer Science	*Aug 2024 – May 2026*

Relevant coursework: Artificial Intelligence, Statistical Machine Learning, Cloud Computing

Manipal Institute of Technology	**Manipal, India**
Bachelor of Technology in Computer Science	*July 2018 – Aug 2022*

Relevant coursework: Data Structures and Algorithms, Computer Networks, Operating Systems

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	**Aug 2022 – Aug 2024**
Hewlett Packard Enterprise	*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	**Jan 2022 – July 2022**
Hewlett Packard Enterprise	*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	**Feb 2021 – Apr 2021**
Innoright Solutions	*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