

# Akash Sukhavasi

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## Education

**George Mason University** | Fairfax, VA, USA

Master's — Data Analytics Engineering | December 2024 [Expected]

**GPA: 3.8 / 4**

**GITAM University** | Hyderabad, TS, IN

Bachelor's — Computer Science & Engineering | June 2021

**GPA: 3.0 / 4**

## Skills

**Computational Languages:** C, C++, Java, Python, R, SQL, Swift, HTML, CSS, JavaScript [Angular, React]

**Technologies & Tools:** Git, MS Office Suite, AWS (EC2, S3, RDS, Glue), Tableau, Docker, Windows, macOS, Linux

**Certifications:** Unmanned Aerial Systems Prototyping

George Mason University | November 2023

AWS Cloud Foundations

Amazon Web Services | November 2023

Google IT Professional Support

Google + Coursera | August 2020

Open Source Software Development Methods

The Linux Foundation + Coursera | August 2020

## Projects

**Integrated Analysis of Air Quality**

August 2023 - November 2023

**A Multi-Tool Approach**

*Python, R, SQL, Amazon Web Services, Big Data*

- Study utilized SQL, Python, and R, on AWS Platforms to analyze air quality's impact on respiratory health in the U.S.
- Research illustrated crucial air quality-health dynamics, suggested future public health initiatives and EPA regulations.

**FireFlyer - Automated Early Situational Awareness to Firefighters**

September 2023 - November 2023

**Unmanned Aerial Systems Prototyping**

*CAD, Prototyping, Machine Learning, Project Management, Pitch Incubation*

- 8-week program of prototyping and problem-solving workshop, in a Team of 5.
- Developed a prototype solution and pitched it to a group of judges, on AI Based early situational awareness in a fire accident.
- Runner Up - Fall 2023.

**Customer Segmentation**

August 2020 - December 2020

**Using K-means Clustering in R**

*R, Principal Component Analysis, K-means Clustering, Regression Analysis*

- Utilized PCA, factor analysis, and regression in customer segmentation to identify satisfied consumers in various markets.
- Employed K-means clustering for effective customer data grouping, enhancing understanding of consumer satisfaction and happiness index.

## Experience

**Avishkar Software Labs** | Hyderabad, TS, IN

May 2019 - July 2019

**Summer Intern — Junior iOS Developer**

*Swift Programming, Codebase Management, iOS App Development*

- Effectively liaised with production teams to ascertain iOS development requirements, ensuring precise specification gathering and the delivery of expedient solutions.
- Partnered with design teams to refine application functionality, diligently maintained the codebase, and adeptly handled related operational tasks.

**V. V. Technologies** | Hyderabad, TS, IN

May 2017 - Nov 2021

**Part-Time — System Integrator, Network Engineer**

*Customer Fulfillment, Technical Analysis & Implementation*

- Served as a System Integrator at a computer store, efficiently addressing and organizing customer requirements and providing tailored technical solutions.
- Specialized in developing network infrastructure for small businesses and home offices, ensuring robust connectivity and seamless operational setups.

## Volunteering

**Mason Space Day 2023**

October 2023

**Representing Friends of the Observatory (FOTO) - GMU Astronomy Club**

- Event with about 2300 Attendees.
- Orchestrated and managed tours of George Mason University's Observatory for attendees.
- Guests including, but not limited to former Director of NASA and Assistant Director of Science at NASA Goddard.