

Akash Sukhavasi

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Education

George Mason University | Fairfax, VA, USA

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

GPA: 3.7 / 4

GITAM University | Hyderabad, TS, IN

Bachelor's — Computer Science & Engineering | June 2021

GPA: 3.0 / 4

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.

Skills

Computational Languages: C, C++, Java, Python, R, SQL, Swift, HTML, CSS, JavaScript

Technologies & Tools: Git, 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

Volunteering

Mason Space Day 2023

October 2023

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

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