

Sagar Govani

sagar96@vt.edu
703-939-0707
American Citizen

1747 Tysons Central ST #3114
Vienna VA 22182

Objective: Seeking a position that will enable the use of my technical and analytical skills.

Education: **B.S in Computational Modeling & Data Analytics**

- Virginia Polytechnic Institute and State University

Senior Software Engineer, Capital One Financial, Feb 2020 - August 2024

- Built multiple Python based utilities to find and mitigate sensitive data leaks in large datasets and launched said utilities via an automated deployment pipeline
- Rapid development and maintenance of CI/CD pipelines for a key economic modeling service
- Assisted in the development and maintenance of an economic modeling service used by the bank to set rates and mitigate borrowing risk.

Work

Experience:

IT Cybersecurity Intern, General Dynamics, May 2019 to Aug 2019

- Created a realtime insider/outsider threat monitoring dashboard for the CISO
- Designed and built a database management system for security control management.

Senior Intern, Northrop Grumman, May 2018 to Aug 2018

- Implemented unsupervised machine learning to make a spacecraft orientation tracking algorithm quicker and more efficient.
- Design and installation of a realtime 3D motion tracking system.
- Developed a python based computer vision algorithm to track star movement

CompMatch App

- Developed a real estate analytics tool that uses predictive modeling to accurately predict rental comps and vacancy rates. Provides the ability to analyze the entire market as rental deals within seconds. Validated the tool's accuracy and utility by using it to acquire a property.

Covertly App

- Fully developed and launched an iOS social networking app with over 95,000 downloads and managed a development team of 5. Cleaned, classified, and sold anonymized location data.

Side Projects:

MV Live App

- Built a business to consumer live video streaming platform and iOS app for NYC fashion firm Modern Vice. Assumed CTO level responsibilities in the development process.

Secondwind App

- Built an augmented reality app for e-commerce brand SecondWind that allows customers to try on mask sizes and styles before purchasing. Managed a development team and drove the process while working closely with the client

Amazon AWS Solutions Architect Certified (2021)

Developing high quality, enterprise scale software products

Certifications and Awards:

VT Entrepreneur Challenge Winner - Facemode (2018)

Created an API that uses infrared dot scanning and machine learning to map people's facial structures in realtime and quantify their change in emotion when they watch advertisements on their phones.

Relevant Skills:

- Substantial experience in Python, PHP, SQL, Scala, R, Go
 - Competent with Pandas, SciPyKit, Tensorflow, and OpenCV, AWS, Solidity
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