

Sagar Govani

Current Address:

850 Plantation Road #314
Blacksburg, VA 24060
sagar96@vt.edu

Permanent Address:

43826 Kittiwake Drive
Leesburg, VA 20176
(703)-939-0707

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

Education: B.S in Computer Science

- Virginia Polytechnic Institute and State University
 - Graduating May 2019
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Work Experience: iOS Developer, Patron Technologies LLC, Jan 2016 to Aug 2018

- Managed the procurement and sale of anonymized user location data.
- Built an iOS social media application with over 95,000 downloads.
- Contracted to build an app for NYC fashion firm Modern Vice.

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 mapping motion tracking system.

GNC Engineering Intern, OrbitalATK, May 2016 to Aug 2017

- Developed a python based computer vision algorithm to track star movement
 - Built a GPS test platform for the Cygnus ISS resupply spacecraft.
 - Built and tested a cube-sat GPS receiver for a classified program.
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Certifications and Awards:

Pending Security Clearance (2018)

- Completed SF-86 and SF-86 Security Interview.

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.

Best use of IBM Watson at VT Hacks hackathon (2017)

- Created an app that uses the Watson AI and speech to text to analyze live phone calls and let people know if they are victims of IRS scams.

Microsoft Outstanding Design and Development Award (2014)

- Awarded for the outstanding use of computer science, along with custom hardware to build a rocket stabilization platform

Orbital Sciences Innovation Award (2014)

- For creating a dynamically stabilized thrust platform using a custom designed vectoring gimbal.
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Relevant Skills:

- Substantial project experience with Swift/iOS development
 - Substantial experience in Python, PHP, SQL, and Swift
 - Knowledge in PHP, Python, SQL, R, Java, Swift, and Objective C
 - Competent with Autodesk Inventor, X-code, Visual Studio, and Excel
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Other Activities:

- Virginia Tech Dean's List (2014)
 - Tennis Club (2015-Present)
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