

Puyush Goel

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614 Clearwater Ct
Herndon, VA 20170

Education **Virginia Polytechnic Institute and State University, Bachelor of Computer Science**
Virginia Tech, Class of 2019, Sophomore
GPA: 3.2

Skills Proficient: **Java and JavaFX, HTML, C++, XML, CSS, Python, IDL, and Android SDK**
Familiar: **C#, C, JavaScript, Spring,**
Learning: **JavaScript, Python using Flask.**
Programs: **Autodesk Inventor, App Inventor, Unity, Maven, Sonar Cube, DDS and Jazz, Eclipse**
Languages: **English, Hindi, and Urdu**

**Professional
Experience**

Intern at General Dynamics Mission System May 2015 – August 2016
Software Engineering Intern

- Worked on TRAP (TSA Contract) project to enhance airport security and reduce airport threats using facial tracking.
- Simulated and modeled new technology to help eliminate threat before exiting the airport thus reducing the buildup in the lines.
- Operated with XML, DDS, and Derby Database for data sharing among server and clients
- Maven, and Jazz were used for version control, Scrum for Agile
- **Awarded:** “First interns at the office to work on critical tasking for a real-world contract”

Intern at Cortona Academy 2014-2015

- Designed the front end of the website, and integrated Google Analytics.
- Used HTML, CSS, JavaScript, and Bootstrap

Georgia Tech Hackathon (09/2015)

- Built a Unity app to allow users to control an app using a phone.
- Used Unity, JavaScript, C, and HTML
- Winner of **EA best use of API** award

Zero Robotics (11/2013)

- Led Team and Developed code for collision tracking and retrieving information from an asteroid simulation
- Utilized C / C++ language for this competition

Winter Personal Project 2015

- Worked on a mind puzzle app to help groggy people get more focused
- Used Android SDK, Java, XML

FTC Team (519)/FRC (116)

- Built a simple AI using an ultrasonic sensor
- Helped developed the Frisbee cannon by coding the shaft encoders
- Developed Inventor models of the robot
- Used LabView and C++
- Won Regional Championship and advanced to World Conference in St. Louis

**Leadership
Experience**

Assistant Captain of FIRST Tech Challenge (FTC) Team 519