

## Aditya Subramaniam

Phone: (734) 730-2901

Email: subram43@purdue.edu

2090 Ashford Rd  
Bettendorf, IA 52722

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| <i>Education</i>             | <b>Purdue University, West Lafayette, IN</b> <b>May 2021</b>   |
|                              | <ul style="list-style-type: none"><li>• Bachelor of Science in Computer Science (Software Engineering and Machine Intelligence Tracks), - Minor in Management</li><li>• Coursework- Object Oriented Programming in Java, Programming in C, Multivariate Calculus, Elementary Linear Algebra, Discrete Mathematics, Data Structures and Algorithms</li><li>• GPA (4.0 scale) - 4.00</li></ul>   |
| <i>Skills</i>                | Software: Java, C, C++, UNIX, Vim, Bash, Git, Python, Android Development, Autodesk, LaTeX, XML<br>Languages: English, Spanish, Tamil  |
| <i>Projects</i>              | <p>* See <a href="https://github.com/subram43">github.com/subram43</a> for full details of projects and implementations</p> <p><b>Vacation Planner App</b><b>December 2017</b><br/><i>Android App created with Java and xml</i></p> <ul style="list-style-type: none"><li>• Created an Android application for users to plan out vacations and organize vacation plans into different notes for accessibility</li><li>• Used important concepts from Java course, including Inheritance, Polymorphism, and Exception Handling in implementation of the code</li></ul> <p><b>FTC Robot Controller</b><b>November 2016- March 2017</b><br/><i>A set of programs created with Java to run our team's robot</i></p> <ul style="list-style-type: none"><li>• Generated autonomous and controller-operated programs to make the robot complete certain missions on a playing field</li><li>• Programmed in Java by importing different robot objects and using methods such as .getPower() and .getServoPosition() to move the different motors and servos on the robot</li><li>• Used methods such as .getLightDetected() with light values for the robot to detect different frequencies of light with autonomous sensor programming</li></ul> |
| <i>Leadership Activities</i> | <p><b>Robotics, Pleasant Valley High School, Bettendorf, IA</b><b>September 2013 – March 2017</b><br/><i>Programmer and Team Leader of FIRST Tech Challenge Team</i></p> <ul style="list-style-type: none"><li>• Managed team in design, build, and execution stages of our team's robot for FTC competitions</li><li>• Displayed team projects at local elementary schools to promote interest in STEM</li></ul>  |
| <i>Awards</i>                | <p><b>Scholarships</b></p> <ul style="list-style-type: none"><li>• Purdue University- Presidential Scholar (Awarded to 10% of class)<b>August 2017 – May 2021</b></li><li>• Purdue University Computer Science Department- Hopper Scholarship<b>April 2018</b></li><li>• Pleasant Valley High School- Quad City Telugu Sangam Award<b>May 2017</b></li></ul> <p><b>FIRST Tech Challenge Team</b></p> <ul style="list-style-type: none"><li>• <i>Rockwell Collins</i> Innovate Award for most innovative robot design in Iowa<b>March 2016</b></li><li>• Iowa state runner-up alliance in robot game<b>March 2016</b></li></ul>   |
| <i>Volunteer Experience</i>  | <p><b>Habitat for Humanity Restore, Davenport, IA</b><b>January 2016 – August 2016</b><br/><i>Recycler</i></p> <ul style="list-style-type: none"><li>• Refined and restored used furniture and house appliances for sale to fundraise the construction of new houses around the world</li></ul>  |