

✉ rishabh@empliga.com 🌐 empliga.com ☎ (248)251-2292 📍 Tysons Corner, VA

SUMMARY

High school junior interested in robotics, cyber security and microbial energy. Skilled in web development, programming and sponsorship sales. Can converse in English, Chinese, Hindi and Sanskrit.

EDUCATION

Marshall High School

IB Diploma (Expected) 2018

Currently pursuing an IB Diploma. Planning on taking these Higher Level courses: Mathematics, Biology, Physics and Topics

Sanskrita Bharati

Currently enrolled in distance learning course from Sanskrita Bharati. Samskritam As a Foreign Language (SAFL) is a three-year online distance education program for high school students who wish to learn Samskritam (Sanskrit).

EXPERIENCE

FIRST Robotics Team 5549, Outreach Coordinator and Programmer

Oct 2014 - Current

Marshall HS's robotics team participated and was awarded the Rookie All-Star award in the 2015 season.

- Served as Outreach Coordinator and deployed a fast and responsive website for my High School's robotics team with no budget.
- Integrated various technologies into the website for a better user experience.
- Responsible for securing more than \$2000 in grants from various sponsors.
- Helped program the robot using C++. For the 2016 season, also assisted the team in creating a computer vision system using a NVIDIA Jetson TK1 and OpenCV.

Cyberpatriot Team n0passwd, Team Captain and Linux Expert

Sep 2014 - Current

At the center of CyberPatriot is the National Youth Cyber Defense Competition.

- Led my rookie team to achieve Platinum (Top 30%) Status all three years we have competed.
- Responsible for teaching basic Linux system hardening to beginners.
- Created scripts using Bash to automate some processes that are required in the competitions to allow more time for the harder vulnerabilities.
- System hardening included disabling insecure services, removing unsafe applications and securing user accounts.
- Solved forensics challenges which required a unique understanding of the Linux command line interface.

SySTEMic Solutions VEX IQ Summer Camp, Lead Programming Instructor

Aug 2016 - Aug 2016

One week camp for elementary school students for building and programming a robot.

- Created interactive lessons on the basics of robot programming.
- Taught the students basic programming skills in RobotC.
- Maintained a classroom environment with 30 elementary school students.

HackingEDU, Sponsorship Coordinator

Jul 2016 - Current

HackingEDU Training Day aims to revolutionize the education process by providing access to workshops, mentors and a community of hackers who can help students level up their skills, and build their first projects.

- Helped raise more than \$2k in sponsorships from companies such as General Assembly, Thalmic Labs and Stormpath to host a Training Day for students.

VOLUNTEERING

North South Foundation, Math Instructor

Sep 2016 - Current

Responsible for teaching competition math concepts and strategies to a group of elementary school students

Kiwix by Wikimedia CH, Web Developer

Oct 2016 - Current

Responsible for setting up and maintaining a web store for Kiwix. The revenues generated from the sales will help further Kiwix's mission of making knowledge more accessible for everyone.

PERSONAL PROJECTS

Website Development

Apr 2015 - Current

Responsible for creating fast and responsive websites for multiple clients.

- Used multiple CMSs including Wordpress and eFront.
- Also integrated multiple technologies into the website including analytics tools and a discussion platform.

CodeAyyy

CodeAyyy was a game created by my team at CodeDay DC Winter 2015.

- The game was set to mimic a hackathon environment with the main character trying to make it through without sleeping.
- The goal of the game was to get other students interested in computer science and CodeDay.

AWARDS

Grand Prize, Marshall HS Science Fair

Jan 2017

Grand Prize, Fairfax County Science and Engineering Fair

Mar 2017