Aryan Mediratta
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Volunteer and Work Experience

Industry Intern   September 2020
Adobe   *Remote*
- Developed a prototype Sign Language Translator application (https://youtu.be/9N64QOKcr98)

Volunteer   June 2020 – July 2020
CodeChef   *Remote*
- Curated learning material for the CodeChef DSA Learning Series, a public resource for everyone to learn competitive programming.
- Organized a two-part online learning session on Combinatorics for Competitive Programming under the CodeChef DSA Learning program.

Technical Skills

Languages: C++, Python, JavaScript, PHP, SQL, HTML/CSS
Frameworks/Libraries: CodeIgniter, React, Node.js, Express, jQuery, OpenCV
Robotics: Arduino, Raspberry Pi, Lego Mindstorms EV3

Activities

Byte Club | *High School Computer Club*   January 2017 – Present
- Started the school's computer club in January 2017. Served as the Vice President from April 2018 to April 2019 and as the President from April 2019 to present.
- Led the club to various programming contests and hackathons. Started an annual tech fest.
- Took the annual tech fest online and made it international in 2020. Scaled up the event participation by 4 times.
- Developed the club's website (https://byteclub.in) and event management system.

Computer Security   April 2018 – Present
- Reported XSS vulnerabilities and bugs in various applications like StackOverflow and DreamWallets.
- Reported SQLi vulnerabilities in the registration system of RoboCup Junior North India and the school website.
- Participated in multiple international CTF (Capture-The-Flag) events. Organized India's first CTF by and for high-school students.

Robotics   September 2016 – Present
- **RoboCup 2017** – programmed for team Forever EV3. Secured rank 1 in India Nationals; represented India at RoboCup Junior Rescue Line 2017, Nagoya, Japan.
- Mentored a team for WRO.

Competitive Programming   April 2017 – Present
- Qualified for the Indian National Olympiad in Informatics (INOI 2020): Semifinalist at the Indian Computing Olympiad, 2020.
- Qualified twice for CodeChef SnackDown (2017, 2019) and Google Code Jam (2018, 2019).
- Problem-setter at Byte Club's competitive programming events.

Projects

LookOut | *PHP, NodeJS, Express, MongoDB, SASS*   April 2020
- Crowdsourcing application where people rate various parameters of the quality of life in their areas.
- Finished third at The Global Hack Governance, a global COVID-19 hackathon.
- Demo: https://youtu.be/aFgh4BniKHQ

Line Follower Robot using Computer Vision | *Raspberry Pi, Python, OpenCV*   November 2019
- Developed a custom PID algorithm to make a robot follow a line using a camera.
- Project Video: https://youtu.be/3-UEsF-4HYY

More projects: https://aryanm.me/projects   https://github.com/aryan-02