Aadi Bajpai

Prospective Undergrad

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EDUCATION

- **Delhi Public School Kalyanpur** — Kanpur, India
  CBSE; AISSE, CGPA: 10/10; AISSCE, Percentage: 93% — *May 2019*
    - ACT: 36*/36, Writing: 9/12
    - SAT Physics: 800/800; SAT Math 2: 800/800

AWARDS & HONOURS

- **Grand Prize Winner, Google Code-in 2017** — Google
  CCExtractor Development — *November 2017 - January 2018*
    - Among fifty winners from over 3500 contestants for two months of exceptional contribution to open-source software. Won an all-expenses paid trip to Google Headquarters in California.
    - Worked on a Continuous Integration/Continuous Deployment regression test platform written in Python and Flask along with Design, Research and Documentation tasks.
- **Finalist, Topcoder Humblefool Charity Hackathon** — Topcoder
  Évariste — *December 2017 - February 2018*
    - **Competed among college teams** to develop an application that furthers and provides ease-of-access to programming education and resources in India.
    - Developed **HumbleHelper** using Node.js and Material Design hosted on IBM Bluemix which offered a bi-directional code editor and real-time teacher-student interaction and were **ranked 5th nationwide**.
- **Overall Winner, Comfest** — Seth Anandram Jaipuria School
  Team Leader — *2017, 2018*
    - Comfest is an annual, 18-year-old, techno-cultural-literary festival. It is the largest student organized school level fest in India. **The President of India** himself unveiled the Comfest brochure in 2017.
    - Led the school team to victory for 2 consecutive years while personally having the highest overall award count. Won the events Quizart, IT Quest, Tech Talk, Crossbits and Journaltopia among others.

COMPUTER SCIENCE EXPERIENCE

- **The SwagLyrics Project** — Open Source Organization
  Founder & Developer — *February 2017 - Ongoing*
    - Researched linguistic naming conventions on Spotify and Genius to analyze patterns and bridge both the services directly without the use of an API. Authored and open-sourced a suite of Python libraries.
    - SwagLyrics is 2.4x faster and more accurate than the most popular similar service[1] and can fetch lyrics for a track in as less as 0.28s[2]. SwagLyrics currently has total 73,878 users with 1,912,498 backend requests.[3]
- **Research Mentor, Google Summer of Code** — Google
  SwagLyrics, CCExtractor Development — *March 2019 - September 2019*
    - Mentoring Chris Wang from Columbia University in the City of New York on the SwagLyrics project "Synchronizing Lyrics to Audio with Syllable Nuclei Detection".
    - The project aims to develop a novel method of automatically synchronizing the lyrics of a song to its corresponding audio. Awarded grants by Google and the Python Software Foundation worth $8,000.
- **Volunteer Developer & Designer** — CCExtractor Development
  Under Carlos Fernandez Sanz, Org Admin and Founder — *November 2017 - Ongoing*
    - Mentored participants as part of Google Code-in 2018, Google Code-in 2019. Created various tasks and reviewed over 250 instances of tasks throughout the contest.
    - Designed the organization logo and associated graphic media. I maintain the design repository along with periodic code reviews and documentation updates.

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[1] https://colab.research.google.com/gist/aadibajpai/439cd358b001ae7d1ba970b68f70d92b/swaglyrics_test.ipynb
[2] https://colab.research.google.com/gist/aadibajpai/06a596ad753007b0faea132e96f372e0/swaglyrics_test.ipynb
[3] Download counts: SwagLyrics, SwSpotify

Achievements

- Awarded **10 years' Scholar Badge** by DPS Kalyanpur for consistent excellent academic performance. *2007 - 2018*
- Qualified for the **Indian National Olympiad in Informatics 2019**. *2018*
- One out of the only two people in the city to successfully clear Indian **Zonal Computing Olympiad 2019**. *2018*
- Awarded the General Proficiency Award by DPS Kalyanpur for academic excellence. *2015*
- Won an award at **all** Model UN Conferences attended (10+) including the Best Delegate and High Commendation award at the National Level. *2015 - 2018*
- Won multiple National & State Level Inter-School Quiz Competitions such as the CBSE KSS Quiz and the School Quiz League (consecutively thrice). *2014 - 2018*

Invited Conferences & Talks

- PennApps XX *University of Pennsylvania*
- Google Summer of Code Mentor Summit 2019 *Munich, Germany*
- GitHub Universe 2019 *San Francisco, CA*
- PyCascades 2020 *Portland, OR*

Design Experience

- **Automated History Archive** *Harvard University*
  Prof. Melissa Dell, Dept. of Economics *May 2019 - Ongoing*
  - Designing visual media to represent a high-level overview of the project and the techniques employed to generate community interest and feedback.

Community Experience

- **Member, Open Source Initiative** *Open Source Initiative*
  Open Source Advocate *December 2018 - Ongoing*
  - The Open Source Initiative (OSI) is a non-profit corporation formed to educate about and advocate for the benefits of open source and to foster the open source community. OSI Affiliates include Mozilla, the Wikimedia Foundation and Linux.
- **Contributor, Google+ Create Program** *Google+, YouTube*
  Invited by Leanne Osborne, G+ Community Manager *December 2016 - June 2017*
  - Verified on YouTube and G+ for my "All Things Tech" collection with more than 75,000 followers. Was put on hiatus until I became 18 due to legal policy update. Then Google+ shut down in early 2019.

Programming Skills

- **Languages** : C++ // Python // Rust // OCaml // HTML, CSS, JavaScript // A Programming Language
- **Software and Utilities** : LaTeX // Flask // Jinja2 // Nginx // Git // Material Design // Adobe Illustrator

Leadership Positions

- **Head Boy** Student Council, DPS Kalyanpur *April 2018 - May 2019*
- **Editor-in-Chief** Muse, DPS Kalyanpur *April 2018 - March 2019*
- **President** Model UN Club, DPS Kalyanpur *April 2017 - March 2018*
- **Secretary-General** Delhi Public School Kalyanpur Model UN *August 2017 - September 2017*
- **President** UN Security Council, Delhi Public School Kalyanpur Model UN *October 2018*
- **Core Team Member** Panorama, DPS Kalyanpur *August 2017 - October 2018*
- **Head of Design** Delhi Public School Kalyanpur Model UN *September 2016*
- **House Prefect** Shamrock House, DPS Kalyanpur *April 2016 - March 2017*

Relevant Links

- **I Design.**

- **I Code.**

- **I Write.**