Ayush Garg

Developer

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EDUCATION

Global Indian International School, Singapore

A full scholarship student with a 10.0 GPA having an avid interest in computer science and mathematics. AP Scholar with distinction.

EXPERIENCE

Developer of Pygetpapers

2021 - PRESENT

- Developed a python library to retrieve scientific literature from Open Science repositories.
- Well-managed open source project with defined workflows, command-line integration, issue templates, and test-driven development.
- Mentored by Dr. Peter Murray Rust (University of Cambridge).
- Research published in the Journal Of Open Source Software.

Developer of Docanalysis

2021 - PRESENT

- Natural Language Processing tool to do supervised and unsupervised entity recognition from the scientific literature.
- Mentored by Dr. Daniel Mietchen (University of Virginia).

Founder at Science.org.in

2020 - PRESENT

- E-commerce social media platform for online courses with upcoming scientific journal

Host at Tech Titans Podcast

2021 - PRESENT

- Invited and interviewed several technology experts to discuss the ethicality and intricacies of new and upcoming technologies like Web 3.0, Gamification, etc.

Volunteer Developer at LionBefrienders

2021 - PRESENT

- Coded a client-side fuzzy string searching-based chatbot in javascript which can be easily injected into a webpage with the inclusion of a script.

TECHNICAL SKILLS

Proficient in backend development (Python and Node.js)

Elementary background in machine learning frameworks like Tensorflow.

Comfortable with working in professional workflows with knowledge of version control systems.

PROJECTS

Protect-21:

Friendly reminders to wear their mask every time users leave key locations.

Popular Vote prize valued at 200$ at nwHacks 2021 (University of British Columbia)

Sachen:

Rfid-based automated inventory management system.

Best Hardware Hack MakeUC (University of Cincinnati)

Finlearn:

Innovative financial literacy app based on blockchain technology.

Best Finance Hack at HooHacks 2021 (University of Virginia)

Covax:

Automated Vaccine management system.

Best Pre-university Hack at iNTUition v7.0 (Nanyang Technological University)

ReformBar:

QR code-based client-side application based on a custom-made QR code recognition software written in Python to help bars restrict problems like overdrinking, underage drinking, etc.

ACCOMPLISHMENTS AND OUTREACH

Mentored participants through bugs at several international hackathons including the University of Toronto Scarborough, University of California Santa Cruz's as well as Major League Hacking.

Invited talks at international conferences including Wikitcite 2020, INYAS, and International Conference on Bioinformatics.

STRENGTHS

Ayush prides himself on his ability to perform tasks meticulously. His willingness to take up responsibilities and initiatives allows him to view, communicate and analyze situations from various perspectives, eventually assisting him in finding a solution for problems.

He also exploits opportunities to the fullest and tries to build more from those which he has already encountered.

GOALS

Ayush's greatest ambition lies in giving back to the community and impacting the scientific world. By tackling pressing issues and developing breakthroughs, he hopes to help the world advance technologically.

Last but not the least, He aspires to promote open source practices and encourages the scientific community to move towards accessible and inclusive research literature.