



# PIYUSH AGGARWAL

## PERSONAL INFORMATION

 +91-9210775170  
 [piyushaggarwal002@gmail.com](mailto:piyushaggarwal002@gmail.com)  
 <https://brute4s99.github.io>  
 <https://slides.com/brute4s99>

## SKILLS

- C++14 development
- Cross-platform development with Qt
- Linux Administration
- Python 3 scripting
- Shell scripting
- Version control through git
- Test driven development
- Public speaker
- Quick learner
- Strategic Planner

## TRIVIA

Blogger  
PC Gamer  
Badminton player  
Regular jogger

## EDUCATION

Bachelor of Technology  
Computer Science & Engineering  
2016 – 2020  
**Maharaja Agrasen Institute of Technology,**  
Guru Gobind Singh Indraprastha University,  
New Delhi, India

## EXPERIENCE & PERSONAL PROJECTS

- **Development Intern at Archetype Entertainment Pvt. Ltd.**  
<https://www.sostronk.com/welcome> FEBRUARY 2020 – PRESENT  
C++ software development intern focusing on leveraging C++ and Qt framework to develop a cross platform desktop application for SoStronk, an eSports startup.
- **Research Work: Procedural Music Generation**  
SEPTEMBER 2019 – FEBRUARY 2020  
procedurally generate music of different genres, styles and themes based on the input parameters to generate limitless variations; successfully published a research paper on the topic in the Elsevier Procedia.
- **Google Summer of Code 2019 student at KDE [Windows | Qt | C++]**  
<https://bit.ly/GSoC2019FF> MAY 2019 – SEPTEMBER 2019  
Developed KDE Connect for Windows during Google Summer of Code 2019; currently maintaining KDE Connect for Windows.
- **Volunteer Free Software Developer at KDE [Qt | C++ | Python3]**  
<https://community.kde.org/KDEConnect> NOVEMBER 2018 – PRESENT  
KDE Connect is a multi-platform app that allows devices to communicate. built using Qt, C++ and QML and the flexible extensions of KDE frameworks.
- **Automation: Scripting [Shell | Python3 | Batch]**  
<https://github.com/brute4s99/scripts> JUNE 2017 – PRESENT
  - **dotBot** - dotfiles and personal config synchronizer (Linux) [link](#)
  - **IMDb Sort** - rating-based movie collection organizer [link](#)
  - **GitBot** - easier pushes to remote repos [link](#)
- **2D Simulations [BGI | C++]**  
<https://github.com/brute4s99/games> APRIL 2017
  - **Chemistry Titration Simulator** – simulates the experiment of calculating the normality of KMnO4 [link](#)
  - **Fidget Spinner** – simulates a fidget spinner in Borland Graphics [link](#)
- **IoT: Arduino Project [Embedded C]**  
[https://github.com/brute4s99/OTP\\_Arduino](https://github.com/brute4s99/OTP_Arduino) OCTOBER 2018  
Arduino Uno based time-limited OTP lock system with live tracking functionality also usable in areas with no internet access.

## EXTRACURRICULAR ACTIVITIES

- **Speaker at Akademy 2019 - Milan, Italy**  
<https://akademy.kde.org/2019> SEPTEMBER 2019  
Delivered a talk on my Google Summer of Code 2020 project and met my program mentors in real life.
- **Speaker at KDE Conference India 2020**  
<https://conf.kde.in/> JANUARY 2020  
Delivered a talk on KDE Connect and explained how new contributors can get on-board with the project and help out in making it more awesome.
- **Volunteer at Pycon India Conference**  
<https://in.pycon.org/2020/> OCTOBER 2018 – PRESENT
- **Organizer at India Linux Users Group Delhi**  
<https://ILUGD.github.io> SEPTEMBER 2018 – PRESENT
- **Speaker for the talk "Git: Advanced" organized by Mozilla Punjab**  
<https://twitter.com/MozPunjab/status/1101491513450774528> MARCH 2018  
Delivered a webinar on "Git - Advanced" in event "Deep Dive into Open Source".