

# PIYUSH AGGARWAL

## PERSONAL INFORMATION

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🌐 <https://brute4s99.github.io>

## SKILLS

- C++14 development
- cross-platform development with Qt
- GUI development with QML
- Linux administration
- python 3 scripting
- shell scripting
- version control through git
- test driven development
- public speaker
- quick learner
- strategic Planner

## TRIVIA

- quasi-competitive PC Gamer
- regular jogger
- badminton player
- casual blogger

## EDUCATION

**Bachelor of Technology** (graduating in June)

**Computer Science & Engineering**

Batch 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/> 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 Projects: 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/simulations> APRIL 2017
  - **Chemistry Titration Simulator** – a simulation of the KMnO4 Normality calculation experiment [link](#)
  - **Fidget Spinner** – simulates a fidget spinner in Borland Graphics [link](#)
- **IoT Project: Lockator** [Embedded C]  
<https://github.com/brute4s99/lockator> 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.
- **Organizer at KDE Conference India 2020**  
<https://conf.kde.in/> JANUARY 2020  
Also 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.
- **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".