

# PIYUSH AGGARWAL

C++/Qt developer with QML for GUI applications

## PERSONAL INFORMATION

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<https://taskmaster9001.github.io>

## SKILLS

- Modern C++ development with C++17
- Cross-platform development with Qt
- GUI development with QML
- Linux administration
- Python 3, shell scripting
- version control through git
- Test Driven Development

## TRIVIA

- Arch Linux user
- casual blogger
- FOSS enthusiast
- public speaker

## EDUCATION

**Bachelor of Technology** (graduating in August 2020)

**Computer Science & Engineering** 2016 – 2020

Maharaja Agrasen Institute of Technology,  
Guru Gobind Singh Indraprastha University,  
Delhi, India

## COMMUNITY CONTRIBUTIONS

- **Organizer** at **KDE Conference India 2020**  
<https://conf.kde.in/> JANUARY 2020  
Resurrected the annual KDE Conference in India after a three year hiatus.
- **Regular volunteer** at **ILUG-Delhi**  
<http://ilugd.github.io/> NOVEMBER 2017 - PRESENT  
Community of Linux users based in the Delhi NCR region.

## EXPERIENCE & PERSONAL PROJECTS

- **Software Development Intern at SoStronk**  
<https://www.sostronk.com/> FEBRUARY 2020 – MAY 2020  
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 Scrivener Wiley Publishing.
- **Google Summer of Code 2019 student** at **KDE Community** [Windows | Qt | C++]  
[http://bit.ly/pa\\_qsoc2019](http://bit.ly/pa_qsoc2019) MAY 2019 – SEPTEMBER 2019  
Developed **KDE Connect on Windows** during Google Summer of Code 2019; currently maintaining **KDE Connect on Windows**.
- **Free Software Developer** at **KDE Community** [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.
- **2D Simulations** [BGI | C++]  
<https://github.com/taskmaster9001/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/taskmaster9001/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 **KDE Akademy 2019 - Milan, Italy**  
<https://akademy.kde.org/2019> SEPTEMBER 2019  
Delivered a talk related to my Google Summer of Code 2020 project, **KDE Connect on Windows**. [link to video](#)
- **Google Summer of Code 2020 Mentor** at **KDE Community**  
[https://bit.ly/pa\\_qsoc2020\\_mentor](https://bit.ly/pa_qsoc2020_mentor) MAY 2020 – SEPTEMBER 2020  
Mentoring a student's project to **improve MMS support in the KDE Connect desktop application**. Acting as the backup mentor for the project.
- **Season of KDE 2020 Mentor** at **KDE Community**  
[https://bit.ly/pa\\_sok2020\\_mentor](https://bit.ly/pa_sok2020_mentor) JANUARY 2020 – FEBRUARY 2020  
Mentored a student's project to **develop a website for KDE Connect** to improve outreach of the software.