

PIYUSH AGGARWAL

C++/Qt developer with QML for GUI applications

PERSONAL INFORMATION

+91-9210775170

piyushaggarwal002@gmail.com

<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**
<https://linuxdelhi.org/> 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_gsoc2019 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.
- **Automation Projects: Scripting [Shell | Python3 | Batch]**
<https://github.com/taskmaster9001/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/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_gsoc2020_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 JANUARY 2020 – FEBRUARY 2020
Mentored a student's project to **develop a website for KDE Connect** to improve outreach of the software.