PIYUSH AGGARWAL

Free software proponent, public speaker, C++/Qt developer with QML for GUI applications

PERSONAL INFORMATION

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🌐 https://brute4s99.github.io

SKILLS

- C++17 development
- Cross-platform development with Qt
- GUI development with QML
- Linux administration
- Python 3 scripting
- Shell scripting
- Version control through git
- Test driven development

TRIVIA

- Arch Linux user
- Regular jogger
- Competitive PC gamer
- Casual blogger
- FOSS enthusiast
- Halo lore enthusiast

EDUCATION

Bachelor of Technology (graduating in August)
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 and also delivered a talk on KDE Connect.

- **Regular volunteer** at **ILUG-Delhi**
  https://linuxdelhi.org/   NOVEMBER 2017
  Community of Linux users from Delhi NCR region. Handled logistics and venue confirmation for in-person meetups.

EXPERIENCE & PERSONAL PROJECTS

- **Software Development Intern** at **Archetype Entertainment Pvt. Ltd.**
  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 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 for Windows during Google Summer of Code 2019; currently maintaining KDE Connect for 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/brute4s99/scripts   JUNE 2017 – PRESENT
    o **dotBot** - dotfiles and personal config synchronizer (Linux) link
    o **IMDb Sort** - rating-based movie collection organizer link
    o **GitBot** - easier pushes to remote repos link

- **2D Simulations** *[BGI | C++]*
  https://github.com/brute4s99/simulations   APRIL 2017
    o **Chemistry Titration Simulator** – a simulation of the $KMnO_4$ Normality calculation experiment link
    o **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

- **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.

- **Speaker** at **KDE 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.