

GAURAV AGRAWAL

Computer Science Engineering Undergraduate

@ agrawalgaurav1999@gmail.com

📍 Jaipur, India

in linkedin.com/in/gaurav-agrawal-176a7616a/

🔗 gitlab.gnome.org/gaurav1999

EXPERIENCE

Google Summer of Code

Gnome Foundation (www.gnome.org)

📅 May 2019 – September 2019 📍 Remote

- Worked on Gnome-Gitg application, gitg is the GNOME GUI client to view git repositories.
<https://wiki.gnome.org/Apps/Gitg/>
- Worked with mentor on design, development and integration of Algorithm tuning GUI tool.
- Worked on Meson build system, Flatpak-Builder and Gnome-builder IDE.
- Developed custom algorithm to optimise the standard git diff outputs to get a more visually distinguishable git diff outputs (under review).
- Developed code style checking pipelines, using Uncrustify, Gitlab-CI and Docker to save code maintainer's time on code review.
- Worked on project's dependencies, libgit2-glib and libgit2 for introduction of additional functions needed for the project and related bug fixes.
- Experience with CI/CD, upstream collaboration and industry standard level code development.
- Project On:- <https://summerofcode.withgoogle.com/projects/6621566241079296>

ACHIEVEMENTS

- Speaker at Gnome Asia 2019 Indonesia
- Earned GNOME foundation membership for valuable contributions and active participation in community.
- Placed among 1,134 Google Summer of Code 2019 successful interns worldwide.
- Speaker and organizer at GUADEC 2019 for newcomers workshop
<https://schedule.guadec.org/speakers/338>
- Earned golden batch in python programming on Hackerrank.

SKILLS

Open Source

Python (Proficient), Linux

Git, Object Oriented Programming



EDUCATION / COURSES

Bachelor of Technology

University Of Petroleum and Energy Studies

📅 May 2016 – August 2020 📍 Dehradun

Introduction To Python Programming

Microsoft Technology Associate

📅 September 2018

HONORS & AWARDS

- Listed in Dean's list of top 10 meritorious students in Computer Science department.
- Awarded with University academic Scholarship for excellent academic performance.

STRENGTHS

Object Oriented Programming

Back-end Programming

PROJECTS

Tag based file organization system

- Designed and Implemented a file organization system based on tags instead of conventional Tree structure.
- Designed and developed a completely new approach to organizing files by replacing tree hierarchy with Hash table mechanism in C.
- Faster search (Conventional systems use B+ tree which is more expensive search then Hash Table).
- Removed dependency between files and parent directories.
- Multiple-tagging of files.
- Built-in encryption system for text files with lite custom encryption algorithm.
- Project on:- <https://gitlab.gnome.org/gaurav1999/tagBasedFile>

Analysis of basic supervised learning algorithms on phishing URL's dataset

- Analyzed 4 supervised learning algorithms for phishing URL dataset
 1. K-nearest neighbours.
 2. Decision Tree.
 3. Logistic Regression.
 4. Random Forest.
- Implemented a GUI tool to aid analyzing work.
- Used principles Of Object Oriented Programming to design the project.
- Result concluded:-
 1. Custom tuned model of Random Forest algorithm had highest accuracy among all 4.
 2. Decision Tree model performed fastest among all 4.
- Project on:- <https://gitlab.gnome.org/gaurav1999/analysisOfSupervised>