Gaurav Agrawal

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○ github.com/Gaurav-2803 ⚑ gaurav-2803.github.io/Portfolio/ ⌘ bit.ly/GFGarticles

Aspiring software developer proficient in Python, seeking an entry-level position to contribute skills in software development, testing, and maintenance within an innovative and growth-focused team

Education

B.E. Computer Engineering, 2020 – 2024 | Pune, India
JSPMs Jayawantrao Sawant College of Engineering
- Aggregate SGPA - 8.34/10.00

Experience

Content Writer, Geeks For Geeks ⧉ Oct 2023 – Present | Remote
- **Authored and published** articles on Python **Sympy/LaTeX matrix** and conducted a detailed **comparison between FastAPI, Django, and Flask**, showcasing technical writing proficiency.
- Upcoming articles on **FastAPI CRUD operations** and **AWS Cloudwatch**, highlighting exploration of technical subjects.

Python Developer, Shatterdome Pvt. Ltd. ⧉ Feb 2023 – Present | Pune, India
- **Developed 20 Python script-based solutions** for **solverbee.com** in an **Agile** environment.
- Contributed to an **Agile** team, utilizing **Git** and **Docker** for streamlined development.
- Integrated solutions with **MongoDB** for robust data management, using **Microsoft Suite** for documentation and reporting.

Skills

C | **C++** | **Python** (Sympy, PyGame, Scikit-Learn, Pandas, Tkinter, PyQT5, Flet (Flutter For Python)) | **Core Java**

AWS (EC2, RDS, S3) | **Docker** | **MySQL** (Workbench, Connectivity) | **MongoDB** (Compass) | **Git** | **GitHub**

Regular Expressions | **LaTeX** (Math) | **Jira** | **APIs** (Spotify Data API, Youtube Data API)

Projects

The Phoenix Project, Self Healing System Oct 2023 – Present
- Contributing to the development of a self-healing software system that utilizes Python scripts to **autonomously detect** and **remedy deployment errors** in **Docker containers.**
- Collaborating on the integration of automation tools, **AWS EC2**, **GitHub**, and **Bash scripting** to enhance efficiency in the error resolution process.

Password Manager, github.com/Gaurav-2803/Password_Manager ⧉ Nov 2023
- Developed a **terminal-based password manager** using **Python OOP** for enhanced logic structure.
- Implemented strong security measures, employing **Argon2 for hashing** and **Fernet for encryption**.
- Utilized **AWS RDS MySQL** for secure storage of passwords and users.

Chess, github.com/Gaurav-2803/Chess ⧉ Oct 2023 – Present
- Currently developing a Python OOP-based chess game using the **Pygame** library for desktop platforms.
- Implementing effective project management through **GitHub Projects** for streamlined development and organization.

Spotify Scraper, github.com/Gaurav-2803/Spotify-Scraper ⧉ Jul 2023 – Oct 2023
- Utilized Python OOP, **Spotify API**, and **YouTube Data API** for scraping, conversion, and storage of Spotify content.
- **Integrated Flet (Flutter for Python)** for cross-platform UI development and managed the project with **Jira.**

Early Fire Alert System, Sep 2022 – Oct 2022
github.com/Gaurav-2803/Ealry-Fire-Alert-System-Using-Smoke-Detection ⧉
- Led the development of the ML model achieving **94% accuracy** in detecting fires **earlier than conventional systems**.
- Implemented **logistic regression** techniques using **Python** and deployed on **Heroku** for efficient predictions.

Activities

Google Developer Students Clubs, Competitive Programming Lead ⧉ Sep 2022 – Jul 2023
- Led DSA sessions, mentored juniors, managed Hacktoberfest 2022's GitHub repo, and approved 200+ PRs.

Training & Placement, Coordinator Aug 2022 – Jun 2023
- Facilitated **15+** campus drives for companies such as _VOIS, Hexaware, Flextrade, Capgemini, Hexaview, and more.

DSA December Competition, Event Coordinator Dec 2022
- I oversaw and administered a month-long college competition focused on DSA, where I dispatched questions.

C Programming Course, Mentor & Coordinator Feb 2022 – Jun 2022
- Our team delivered C programming lectures to our juniors for approximately 4 months.

Interests

Strategic Games • Astronomy • Content Writing