

Hands-On Activity #6:

Create a Custom GitHub Profile Using Markdown

Objective:

Design and build a GitHub profile that highlights your scientific work, skills, and projects, effectively turning your GitHub profile into a professional and personal resume.

Tasks:

- 1. Set up your GitHub profile repository:**
 - If you haven't already, create a GitHub repository named after your username (e.g., `username/username`). This repository will automatically become your GitHub profile when populated with a `README.md` file.
- 2. Craft your profile using markdown:**
 - Use Markdown to create the content of your GitHub profile. This should highlight your identity as a scientist and person. Include:
 - **Introduction:** Who you are, what you work on, your current role.
 - **Research and Projects:** Key scientific projects, findings, or publications.
 - **Skills:** Technologies, programming languages, tools you are proficient in.
 - **Education and Experience:** Include any degrees, certifications, or career milestones.
 - **Links:** Social media profiles (Twitter, LinkedIn, personal website) or other relevant platforms.
- 3. Use a variety of markdown features:**
 - Use **headers** to structure your profile (e.g., `#`, `##`, `###`).
 - Include **links** to papers, projects, or online profiles.
 - Add **images** (e.g., logos, profile pictures) to make your profile visually appealing.
 - Use **code snippets** or inline code to show technical examples
 - Create **lists** to organize skills or project details (bullet or numbered lists).
- 4. Optional visual enhancements:**
 - Incorporate [Shields.io badges](#) to showcase technologies, languages, or contributions (e.g., badges for Python, R, GitHub commits, ORCID, etc.).
 - Use tables or icons for a structured look and feel.
- 5. Be creative and personalize:**
 - Your GitHub profile is not only a showcase of your work but also a personal reflection of your style. There is no prescribed content—feel free to highlight what makes you unique as a scientist.
 - Think of ways to make your profile engaging for potential collaborators or employers who might visit your page.
- 6. [Optional] Convert Your Profile to a GitHub Pages Website:**
 - If you want to make your profile accessible as a GitHub Pages site, you can convert it to a personal website.

- Enable GitHub Pages under the repository settings.
- After enabling, your profile will be available at <https://username.github.io>.
- This can turn your Markdown profile into a hosted personal website, providing another way to showcase your work online.

Deliverables:

No formal deliverable is required. This is an open-ended exercise to encourage creativity and self-expression. Take charge of your career and education!

Resources to Explore:

- [GitHub Profile README Documentation](#)
- [Markdown Guide](#)
- [Shields.io](#) for adding badges and icons.
- [GitHub Actions Documentation](#) for adding dynamic content to your profile.
- [Mike Lippincott's example](#)
 - [Example GitHub.io repo](#)
- [Kristina Ulnica's example](#)

Tips:

- Focus on making your profile visually structured and easy to navigate.
- Explore different Markdown elements to find what fits your style and needs.
- You can always update or enhance your profile later, so don't be afraid to experiment!