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## Jesse Ross

Online Profiles: [GitHub](#) | [Linkedin](#)

### Objective:

Aspiring Full-Stack Developer with a Chemical Engineering background, eager to leverage my cross-disciplinary expertise to innovate and excel in technology-driven environments.

### Key Skills:

- Programming Languages: Python, JavaScript, HTML, CSS, MATLAB
  - Frameworks & Libraries: Django
  - Tools & Platforms: Git, CAD, Process Simulation, GitHub
  - Database Management: PostgreSQL
  - Methodologies: Agile, Scrum
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### Professional Experience:

#### Full-Stack Individual Project

- [Live Site](#)
- [Project Link](#)
- Developed a comprehensive web application, the Community Center Booking System, within a two-week sprint using Python, Django, HTML, CSS, and JavaScript.
- Implemented user authentication, event management, and admin oversight, enhancing user experience and accessibility.
- Addressed security challenges by implementing a secure event management system in compliance with data protection regulations.

#### Rage Room - Booking System (3 days, Team of 3)

- [Live Site](#)
- [Project Link](#)
- Developed a user-friendly website for rage room bookings, demonstrating expertise in Django, HTML, CSS, and JavaScript.
- Focused on user authentication, event creation, editing, booking, and tracking, ensuring a comprehensive user experience.

#### Millionaire Boxing (3 days, Team of 3)

- [Live Site](#)
- [Project Link](#)
- Created a trivia game inspired by "Who Wants to Be a Millionaire," showcasing strong visual design skills and JavaScript proficiency.

#### Dish Discovery Project (3 days, Team of 4)

- [Live Site](#)
- [Project Link](#)
- Developed a recipe collection website using HTML, CSS, and Bootstrap, focusing on user-friendly design and basic search functionality.

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### Education:

- Postgraduate Certificate of Education, Mathematics Secondary, Bangor University, [2022 – 2023]
  - Bachelor of Engineering (B.Eng.), Chemical Engineering (2.1), University of Manchester, [2018 – 2022]
  - A-Levels (Ysgol Friars, Bangor, North Wales), [2015 - 2017]: Mathematics (A\*), Further Mathematics (A\*), Chemistry (A), Physics (A)
  - Well-being Representative, Manchester University, [2018 - 2019]
  - Academic Representative, Bangor University, [2022 – 2023]
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### Technical Skills in Chemical Engineering:

Proficient in MATLAB, AutoCAD, Simulink, Aspen, and Aspen HYSYS, applying these tools in various academic and project-based contexts.

Developed strong analytical and problem-solving skills through extensive coursework and projects in the energy and environmental sector.

### Certifications

- Code Institute Full Stack
  - Fire Safety Training Level 2
  - First Aid Level 2
  - Safeguarding Level 1
  - Mental Health First Aid Level 3
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### Languages:

- English (Fluent)
- Afrikaans (Intermediate)
- Xhosa (Beginner)
- Welsh (Beginner)
- German (Beginner)

### Interests:

- Chess
  - Dog Showing & Discipline
  - Artificial Intelligence
  - Swimming
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### References:

Available upon request.