

1. Personal Information

Full Name: Ngusey Adisu Yrga

Place of Birth: Welkayit

Email: nguseyadisu@gmail.com

Nationality: Ethiopian

Phone: 0967354894/0909120969

Date of Birth: February 12, 1996 G.C

Sex: male

Current Address: Addis Ababa

Health Status: normal

2. Summary of Qualification

A masters of science graduate with a chemical engineering technology (chemical process and product design) by possessing a solid background in material and energy balance, process and product design, control, simulation and optimization, safety and environmental protection, and with a highly motivated, productive and customer-focused team player with strong communication, analytical and solution-oriented skills.

3. Career Objective

I seek a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills and abilities in the field of chemical engineering and other related topics.

4. Education

Masters of science in chemical process and product design with CGPD of 3.81 and with “very good thesis” and Bachelor of Science degree in chemical engineering with CGPA of 3.67 (2015 to 2021) Addis Ababa science and Technology University, Addis Ababa, Ethiopia

5. Technical Skills

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| ➤ Process flowsheet development | ➤ Machine control and troubleshooting |
| ➤ Chemical process and product design | ➤ Process simulations and optimizations |
| ➤ Safety and chemical handling | ➤ Raw material and product inspections |
| ➤ Material and energy balance on unit operations | ➤ Apparatus design and equipment sizing |
| ➤ Research and project works | ➤ Ability to apply engineering skills to practical problems |
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6. Computer Skills

- ASPEN plus simulation (CAD)
- MATLAB and Simulink
- Ansys fluent simulation (CFD simulation)
- Basic computer skills (Microsoft word, Excel, PowerPoint, etc.)

7. Personal Skills

- Excellent writing and communication skills
- Highly organized and efficient time management
- Ability to work independently or as part of a team
- Proven management skills and ability to motivate others
- Proven leadership skill
- Excellent analytical skills

8. Language Skills

Language	Writing	Reading	Speaking	Listening
Amharic	Excellent	Excellent	Excellent	Excellent
English	Proficient	Proficient	Proficient	Proficient
Tigrigna	Excellent	Excellent	Excellent	Excellent

9. Internship Experience

- Four months of experience in Gondar Dashen brewery factory from October 30, 2018 to February 05, 2019
- Practiced how beer is brewed in the brewing operations
- Experienced how boiler is operated
- Experienced how fluid machines like compressors and pumps are operated and maintained.
- Followed up every production process from raw material to product production
- Gained teamwork skills

10. Research Work

I did my masters thesis entitled “Synthesis and Characterization of Fe₃O₄-Bentonite Nanocomposite Adsorbent for Cr (VI) Removal from Water Solution” and BSc. Final project on “Extraction and Characterizations of Essential Oil from Anise Seed for Liquor Flavor Applications”.