



Wollo university

Kombolcha Institute of Technology

College of Informatics

Department of Software Engineering

Selected Topics in Software Engineering individual assignment

<u>No</u>	<u>Name</u>	<u>ID</u>
1.	Solomon Mengesha	2303/13

1. What would be your expected future career?

As a **Junior Software Engineering student**, my expected future career is to become a **Software Engineer**, specializing in **web and backend development**. I aim to gain hands-on experience in **full-stack development, real-time applications, and scalable systems** while continuously improving my coding skills. My goal is to contribute to innovative software solutions and grow into a skilled developer in the tech industry.

2. Among the major courses you have taken in your 5 years journey, select three courses you are more interested in (passionate about)

Throughout my five-year journey in Software Engineering, three courses have stood out as the most impactful and aligned with my passion.

- i. **Web Development** – This course helped me build a solid foundation in creating interactive and user-friendly web applications. I gained practical skills in HTML, CSS, JavaScript, and frameworks like React, which sparked my interest in front-end and full-stack development.
- ii. **Java** – Through this course, I developed a strong understanding of object-oriented programming, software design patterns, and problem-solving techniques. Java gave me the ability to build secure, scalable, and efficient applications.
- iii. **Data Structures and Algorithms** – This course enhanced my logical thinking and problem-solving skills. I learned how to write optimized and efficient code using different data structures and algorithms, which are essential for building high-performance applications.

3. Write a professional acknowledgment/thanks email for one of the instructors who taught among the courses you selected in question ii?

Subject: Gratitude for Your Guidance in Data Structures and Algorithms

Dear **Mr. Samuel Temesgen**,

I hope this email finds you well. I am writing to express my sincere gratitude for your excellent teaching in the **Data Structures and Algorithms** course. Your ability to explain complex topics clearly and your dedication to ensuring our understanding made a huge difference in my learning experience.

The skills I acquired in your course have greatly improved my problem-solving abilities and deepened my interest in efficient algorithm design. I now feel more equipped to tackle challenges in software development, and I owe much of that to your engaging teaching style and unwavering support.

Thank you once again for your valuable guidance throughout the course. I truly appreciate the impact you've had on my academic journey, and I look forward to applying these concepts in my future projects.

Best regards,

Solomon Mengesha

4. Assume a certain company wants to hire you in a particular computing discipline and asks you to upload your curriculum vitae, write a one-page killer resume show



Solomon Mengesha

Software engineering



About Me

I'm a software engineering student passionate about technology and problem-solving. I'm always eager to learn new skills and contribute to innovative projects.



Contact



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Addis Abeba, Ethiopia



Skills

- Languages: JavaScript, Python, Java, C++, SQL
- Web Dev: HTML, CSS, React, Node
- DATABASES: MONGODB, MYSQL, FIREBASE
- Version Control: Git, GitHub
- Other: Problem-solving, Communication, Teamwork



Language

- English
- Amharic



Education

(2020 - 2025)

WOLLO UNIVERSITY

Bachelor of Software Engineering



Experience

(2024 - 2025)

FREELANCE WEB DEVELOPER

Self-employed

- Built responsive websites using HTML, CSS, JavaScript, and React.
- Collaborated with clients to deliver tailored solutions.

(2024 - 2024)

SOFTWARE ENGINEERING INTERN

Gondar University

- Developed a real-time chat app using Node.js, Express, and Socket.IO.
- Implemented user authentication, message storage, and notifications.
- Optimized app performance and gained backend development experience.