

Assignment Web Similarity Analysis

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Executive Summary

Overall Web Similarity Score: 0%

Assessment: Error performing analysis with Gemini API.

Conclusion: Analysis failed due to an error.

Color Legend for Highlighted Text:

- High Similarity (75-100%): Potential verbatim copying
- Medium Similarity (50-74%): Significant paraphrasing
- Low Similarity (30-49%): Minor similarities

Web Sources Analyzed

Source URL	Similarity Score
https://rocketreach.co/sachintha-dissanayaka-email_405027882	37.42%
https://www.linkedin.com/posts/sachintha-dissanayaka-565135201_cesuoj-ces2025-activity-7283759208218284289-2025-05-07	20.82%
https://www.eng.jfn.ac.lk/academic-staff-department-of-computer-engineeering/	41.64%
http://www.eng.jfn.ac.lk/staff/	35.16%

Detailed Content Matches

No specific content matches were identified.

Full Assignment with Highlighted Plagiarism

Sections highlighted indicate potential plagiarism, with color indicating similarity level.

Sachintha Dissanayaka

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linkedin.com/in/sachintha-Dissanayake

github.com/SachinthaNimesh

Hanguranketha, Sri Lanka

§ Mate Chatbot for Slack Integration

PROFILE

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GitHub

I'm a Computer Engineering undergraduate passionate about leveraging technology to solve real-world problems. With a focus on innovation and impact, I approach challenges strategically, delivering smart, resource-efficient solutions.

AI-powered Slack chatbot implementing RAG architecture with LangChain and OpenAI. Features Chroma vector database for efficient document retrieval and contextual responses to Web3 bootcamp queries.

TECHNICAL SKILLS

Tech Stack: Python, LangChain, OpenAI API, Chroma Database, Slack Block Kit

§ Programming Languages

Java | Python | C++ | SQL | JavaScript | VHDL | Verilog HDL

§ Frameworks & Libraries

.NET | Blazer | React.js | Node.js | FastAPI | Express.js | Bootstrap | Tailwind CSS

§ Developer Tools

Git | Docker | VS Code | Postman

§ Databases

MongoDB | MySQL

§ Other

RESTful APIs | Agile/Scrum | CI/CD | Jira | Data

Structures and Algorithms | OOP

PROJECTS

§ Exam Registration Portal for the

University of Jaffna |

GitHub | ■

Full-stack exam registration system built with .NET Framework and MySQL, featuring real-time interaction for advisor-student exam management and secure data operations through RESTful APIs.

Tech Stack: Blazer Server, ASP.NET Core, C#, MySQL

§ Big Data Analytics and Deployment
Using Distributed Computing (Ongoing Research)

Research focused on optimizing distributed big data systems, including real-time data streaming pipelines and query optimization across cloud environments.

Tech Stack: Apache Hadoop, Apache Spark, Apache Kafka, Apache Flink

§ Airbnb Clone Web Application (Ongoing)

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GitHub

Full-stack MERN application with JWT authentication, property listing management, realtime booking system, and cloud-based image storage. Features include advanced search, user reviews, and responsive design.

Tech Stack: MongoDB, Express.js, React.js, Node.js

EDUCATION

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§ Bachelor of the Science of Engineering
in Computer Engineering

University of Jaffna - Jaffna, Sri Lanka

Expected Graduation: October 2025

GPA: 3.5/4.0

§ G.C.E. Advanced Level Examination
(2019)

Poramadulla Central College - Rikillagaskada,
Sri Lanka

Grades: Physics - A | Combined Mathematics - B
| Chemistry - B

Activities: Deputy Head Prefect, Founder of Quiz Club, President of Environmental Society, Senior Sergeant at St. John Ambulance Brigade, Air Force Cadet, Scout, Athletics, Rugby, Wrestling, Baseball, Karate

Organizing an industry-academia collaboration event, securing partnerships with a leading tech company
Launched a monthly technical talk attended by 50+ students

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National Project Coordinator Nipayumani, Sasnaka Sansada Foundation (Jan 2023 - Present)

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Developed and executed 20+ hybrid learning sessions, reaching 3,000+ students
Created a mentorship framework connecting student inventors with experts

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§ Assistant Secretary, IEEE Student Branch University of Jaffna (Feb 2023 Jan 2024)

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Coordinated a cross-faculty event with 50+ total attendees from the Science and Engineering departments
Increased member engagement by 45% through new initiative implementation

EXPERIENCE

ACHIEVEMENTS

§ National Project Coordinator – Learn Steer, Sasnaka Sansada Foundation (Sep 2019 - Dec 2020)

- IEEE Xtreme 18.0 - Global Rank 620
- UoJ Coders 3.0 - Local Rank 02
- ACES Coders 11.0 – Local Rank 24

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Built educational platform from the ground up,
growing to 10,000+ monthly active users in 12
months

Recruited and managed a team of 250+
university student volunteers

Created thousands of educational resources,
achieving 95% positive user feedback

§ President, Computer Engineering
Society (Oct 2024 - Present)

CERTIFICATIONS

- edX Verified Certificate for Introduction to
Cloud Computing

- Learn Cloud Computing with AWS

- Advanced Learning Algorithms

REFERENCES

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Dr. Jananie Jarachanthan

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Analysis Methodology

Web Similarity Analysis Method: This report analyzes the similarity between a student assignment and web content using multiple approaches:

1. **Basic similarity analysis** using TF-IDF vectorization and cosine similarity metrics to calculate statistical similarity between texts.
2. **Advanced semantic analysis** using Google's Gemini AI to identify conceptual similarities, common phrases, and potential plagiarism patterns.
3. **Source verification** by analyzing multiple sources to distinguish between common knowledge and unique content.

Interpretation Guide:

- 0-15%: Very low similarity - Likely original content
- 16-30%: Low similarity - Contains common phrases but largely original
- 31-50%: Moderate similarity - May contain some paraphrased content
- 51-70%: High similarity - Contains substantial similar content
- 71-100%: Very high similarity - Significant portions may be unoriginal

Disclaimer: This automated similarity analysis provides an approximation of content similarity against web sources. Results should be interpreted by a human reviewer for context-appropriate assessment. Common knowledge, standard phrases, and coincidental matches may be flagged and require human judgment.