

Theereshan Moodley

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✉ theereshan@gmail.com

📍 Durban, KwaZulu-Natal, South Africa

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🔗 GitHub:
<https://github.com/Theereshan>



COVER LETTER

THEERESHAN MOODLEY

To: Hiring Manager

Subject: Application for ICT / Software / Application Development Position

Dear Hiring Manager,

I am writing to express my interest in an available position within your organization. I am an Information and Communication Technology graduate currently pursuing my Honors Degree at the Durban University of Technology. With a strong academic foundation, hands-on development experience, and a growing passion for modern software and application technologies, I am confident in my ability to add value to your team.

During my studies, I gained solid technical experience in programming (Python, C#, Java), web development (HTML, CSS, SQL), mobile app development, and database design. I have also completed multiple academic and personal projects that strengthened my practical understanding of front-end and back-end systems, software development methodologies, and problem-solving in real-world scenarios.

I am a dedicated, enthusiastic and driven individual who consistently works to improve my skills and deliver high-quality results. I thrive in team environments and enjoy learning new tools and technologies that enhance productivity and innovation.

Please find my attached Curriculum Vitae for your consideration. I certify that all information provided is accurate and up to date.

Thank you for your time and consideration.

I look forward to the opportunity to contribute to your organization.

Sincerely,

Theereshan Moodley

14 Charles English Place, Escombe, Durban

064 681 5685

theereshan@gmail.com

Curriculum Vitae

Personal Information:

- **Name:** Theereshan Moodley
 - **Contact Number:** 0646815685
 - **ID number:**0405055327085
 - **Email:** theereshan@gmail.com
 - **Address:** 14 Charles English Place, Escombe Durban, KZN 4093
-

Professional Summary

Dedicated and motivated ICT graduate who has completed an Honours Degree in Information and Communication Technology at the Durban University of Technology (graduation pending). Strong grounding in software development, machine intelligence, human-computer interaction, and secure systems, with hands-on experience in web, mobile, and database-driven applications. Passionate about problem-solving, modern technologies, and building efficient, user-centred digital solutions. Seeking an opportunity to grow as a junior developer or ICT professional within a dynamic organisation.

Technical Skills

Programming & Development:

- Python, Java, C#, HTML, CSS, SQL
- Web development (front-end and back-end)
- Mobile app development (Android)
- Object-Oriented Programming

Software & Tools:

- Visual Studio, VS Code, Android Studio
- SQL databases & database design
- Git/GitHub
- Agile & Waterfall methodologies

Machine Intelligence & Security:

- Machine Learning fundamentals
- Tokenization & similarity detection techniques
- Secure system design principles
- Advanced Cyber Security concepts

IT & General Skills:

- Software installation & configuration
- Hardware knowledge
- Problem-solving & debugging
- Project planning & documentation
- Team collaboration

Education

Tertiary Education:

- **Honors Degree in ICT: Information and Communication Technology Honors**
 - 2025 – 2025
 - **Status:** Completed (Graduation Pending)

Major Modules:

- Machine Learning
 - Advanced Cyber Security
 - Advanced ICT Concepts & Applications
- **Bachelor's Degree in ICT: Information and Communication Technology**
 - 2022 - 2024
 - Completed a Bachelor's degree with a focus on ICT, covering essential theories and practical applications.

Majors:

- Machine Intelligence
- Human–Computer Interaction (HCI)

Secondary Education:

- **NSC Bachelor's Degree Pass**
 - 2017 - 2022
 - Wingen Heights Secondary School
 - Subjects of study: Mathematics, EGD, Physical sciences ,Geography ,English, Afrikaans, Life orientation

Projects:

AI Workforce Optimization Web Platform)

Bachelor's Degree Research Project – Group Leader

- Led a research-driven web project focused on the **optimization of AI within the workforce** and its impact on employee productivity and upskilling.
- Designed and developed the **entire front-end** of the platform using **HTML, CSS, and JavaScript**, ensuring a responsive and user-friendly interface.
- Implemented features that allow users to:
 - Review and analyze CVs
 - Access HR-related questionnaires and assessments
 - Obtain training and upskilling materials
 - Interact with an **AI-powered Chabot** for guidance and communication
- Assisted with **back-end development** and system integration in collaboration with team members.
- Played a key role in **technical documentation, research writing, and final project reporting**.
- Demonstrated strong leadership, coordination, and project management skills as the **group leader**.

Plagiarism Detection Tool for Python Assignments

Honours Degree Research Project

- Designed and developed a **web-based plagiarism detection system** using tokenization and the Winnowing algorithm.
- Implemented a **client-server architecture** to ensure scalability, accessibility, and platform independence.
- Enabled Python source file uploads with **side-by-side code comparison** and **colour-coded similarity highlighting**.
- Improved academic integrity by providing accurate similarity detection and clear visual reporting.
- Research project is currently in the process of publication.

Cyber Security & Ethical Hacking Project

Honours Degree Project – Group Leader

- Led a hands-on **ethical hacking and cyber security project** focused on identifying, exploiting, and mitigating system vulnerabilities.
- Performed **decryption and penetration techniques** to analyse system weaknesses and understand attack vectors.
- Investigated and detected **malicious code and suspicious system behaviour** to improve system security posture.
- Applied **advanced cyber security principles** including threat analysis, secure system practices, and incident awareness.
- Coordinated team tasks, technical execution, and documentation as **group leader**.

Machine Learning Classification Project

- Developed and evaluated machine learning models to analyse and classify datasets.
- Performed data preprocessing, feature selection, and model evaluation.
- Gained practical experience in supervised learning techniques.

Human–Computer Interaction (HCI) Design Project

- Designed user-centred interfaces following HCI principles.
- Conducted basic usability evaluations to improve user experience.
- Focused on accessibility, usability, and intuitive interaction design.

Mobile Application Development Project

- Built an Android-based mobile application using Java.
- Implemented user authentication, data storage, and interactive UI components.

Achievements:

- Successfully completed multiple academic software and web development projects
- Strong academic performance throughout Bachelor's degree
- Recognised for teamwork, reliability, and adaptability in group projects

Certificate of Course Completion

Theereshan Moodley

has successfully achieved student level credential for completing the Introduction to Cybersecurity course.

The student was able to proficiently:

- Explain the basics of being safe online, including what cybersecurity is and its potential impact.
- Explain the most common cyber threats, attacks, and vulnerabilities.
- Explain how to protect oneself while online.
- Explain how organizations can protect their operations against these attacks.
- Access a variety of information and resources to explore the different career options in cybersecurity.



Scan to Verify

March 02, 2024

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

Certificate of Course Completion

Theereshan Moodley

has successfully achieved student level credential for completing
the Introduction to Internet of Things course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.



April 19, 2024



Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy



This is to certify that the

Degree of

Bachelor of

INFORMATION AND COMMUNICATIONS
TECHNOLOGY

was awarded to

THEERESHAN MOODLEY

(0405055327085)

with effect from
12 March 2025

at a congregation of the University

Prof Thandwa Z Mthembu
Vice-Chancellor and Principal



Dr. M J Nkomoane
Registrar



00096813

This certificate is issued under the authority of the Durban University of Technology Council in terms of the Higher Education Act 1997 (Act No 101 of 1997)



STATEMENT OF EXAMINATION RESULTS

THEERESHAN MOODLEY

0405055327085

DEGREE OF BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

which is issued under Certificate No:

2744\$Z

with effect from

12 March 2025

ALGORITHMS AND DATA STRUCTURES II
BUSINESS FUNDAMENTALS I
BUSINESS FUNDAMENTALS II
COMPUTER ORGANISATION AND ARCHITECTURE I
CORNERSTONE 101
DISCRETE STRUCTURES
ENTREPRENEURIAL SPIRIT
HUMAN COMPUTER INTERACTION III
INDUSTRY EXPOSURE
INFORMATION ASSURANCE AND SECURITY II
INFORMATION MANAGEMENT II
INTEGRATIVE PROGRAMMING AND TECHNOLOGY III
INTERPERSONAL COMMUNICATION AND SELF
INTRODUCTION TO COMPUTING
LAW FOR LIFE
MACHINE INTELLIGENT III

61%	Pass
76%	Pass Distinction
85%	Pass Distinction
56%	Pass
72%	Pass
82%	Pass Distinction
60%	Pass
68%	Pass
94%	Pass Distinction
62%	Pass
57%	Pass
59%	Pass
85%	Pass Distinction
97%	Pass Distinction
64%	Pass
68%	Pass



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This certificate is issued under the authority of the Durban University of Technology Council in terms of the Higher Education Act, 1997 (Act No. 101 of 1997).
Scan code on reverse to substantiate that this is a genuine name.

STATEMENT OF EXAMINATION RESULTS

THEERESHAN MOODLEY

0405055327085

DEGREE OF BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

which is issued under Certificate No:
2744\$Z

with effect from
12 March 2025

continued...

MATHEMATICS FOR COMPUTING IA
MATHEMATICS FOR COMPUTING IB
NETWORKS AND OPERATING SYSTEMS II
ORGANISATIONAL BEHAVIOUR II
PLATFORM BASED DEVELOPMENT III
PROGRAMMING LANGUAGES II
PROJECT III
RESEARCH SKILLS
SOCIAL AND PROFESSIONAL ISSUES III
SOFTWARE DEVELOPMENT FUNDAMENTALS
SOFTWARE ENGINEERING III
SYSTEMS ANALYSIS AND DESIGN II
SYSTEMS FUNDAMENTALS

72%	Pass
65%	Pass
60%	Pass
59%	Pass
67%	Pass
61%	Pass
62%	Pass
52%	Pass
76%	Pass Distinction
83%	Pass Distinction
63%	Pass
59%	Pass
82%	Pass Distinction



147862

Signature

Dr. M J Nkomoane
Registrar





CERTIFICATE

This is to certify that

theereshan

successfully completed the OSCE e-learning course

OSCE cyber/ICT security CBM 16: Coordinated Vulnerability Disclosure

and was awarded this Certificate of Completion.



Organization for Security and Co-operation in Europe



ISSUED ON:
July 28, 2025

CERTIFICATE ID NUMBER:
[8b73e8827ca487091ca716069f53f49](https://clearinghouse.osce.org/certificates/8b73e8827ca487091ca716069f53f49)

<https://clearinghouse.osce.org/certificates/8b73e8827ca487091ca716069f53f49>



**Zertifikat
Certificat**

**Certificado
Certificate**

Promouvoir les plus hauts standards éthiques dans la protection des participants à la recherche biomédicale
Promoting the highest ethical standards in the protection of biomedical research participants

Certificat de formation - Training Certificate

Ce document atteste que - this document certifies that

Theereshan Moodley

a complété avec succès - has successfully completed

Module 1 (2023) - Introduction to Research Ethics

du programme de formation TRREE en évaluation éthique de la recherche
of the TRREE training programme in research ethics evaluation

Release Date: 2025/07/23
CDB : R2v15A4b0



Programme de formation continue (2 crédits)
Continuing Education Program (2 credits)

Professeur Dominique Sprumont
Coordonnateur TRREE Coordinator



HKU Faculty of Medicine
Clinical Trials Centre
香港大學醫學院試驗中心

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European and Developing Countries Clinical Trials Partnership (EDCTP) (www.edctp.org) - Swiss National Science Foundation (www.snf.ch) - Canadian Institutes of Health Research (<http://www.cihr.ca>) - Institute of Medicine (<http://www.iom.edu>) - National Academy of Medical Sciences (NAMS) (www.nams.ac) - Commission for Research Partnerships with Developing Countries (www.crpdc.org)

(REV : 20201116)