

# Theereshan Moodley

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📞 064 681 5685

✉️ [theereshan@gmail.com](mailto:theereshan@gmail.com)

📍 Durban, KwaZulu-Natal, South Africa

🔗 LinkedIn:  
[linkedin.com/in/theereshan-moodley-89b266288](https://linkedin.com/in/theereshan-moodley-89b266288)

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



# COVER LETTER

THEERESHAN MOODLEY

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**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](mailto:theereshan@gmail.com)

# Curriculum Vitae

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## 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.
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### **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.

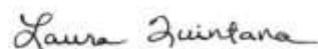
The student was able to proficiently:

- 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  
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.

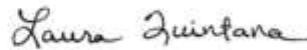
The student was able to proficiently:

- 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.



Scan to Verify

April 19, 2024



Laura Quintana  
Vice President and General Manager  
Cisco Networking Academy



DURBAN UNIVERSITY OF TECHNOLOGY  
INNOVATIE EN KUNSTEENHEID

This is to certify that the  
Degree of  
Bachelor of  
**INFORMATION AND COMMUNICATIONS  
TECHNOLOGY**

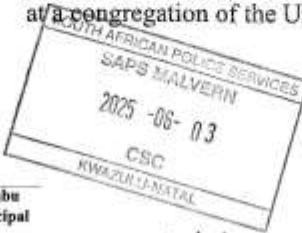
was awarded to  
**THEERESHAN MOODLEY**

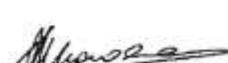
(0405055327085)

with effect from  
12 March 2025

at a congregation of the University

  
Prof Thandwa Z Mthembu  
Vice-Chancellor and Principal



  
Dr. M J Nkonoane  
Registrar

No. 27448Z  
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

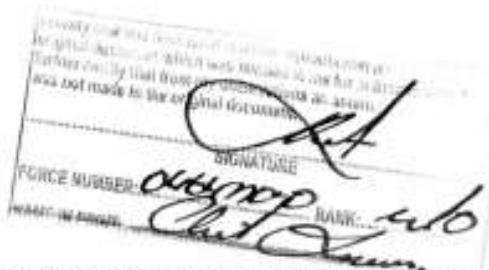
which is issued under Certificate No:  
**2744\$Z**

with effect from  
12 March 2025

ALGORITHMS AND DATA STRUCTURES II	61%	Pass
BUSINESS FUNDAMENTALS I	76%	Pass Distinction
BUSINESS FUNDAMENTALS II	85%	Pass Distinction
COMPUTER ORGANISATION AND ARCHITECTURE II	56%	Pass
CORNERSTONE 101	72%	Pass
DISCRETE STRUCTURES	82%	Pass Distinction
ENTREPRENEURIAL SPIRIT	60%	Pass
HUMAN COMPUTER INTERACTION III	68%	Pass
INDUSTRY EXPOSURE	94%	Pass Distinction
INFORMATION ASSURANCE AND SECURITY II	62%	Pass
INFORMATION MANAGEMENT II	57%	Pass
INTEGRATIVE PROGRAMMING AND TECHNOLOGY III	59%	Pass
INTERPERSONAL COMMUNICATION AND SELF	85%	Pass Distinction
INTRODUCTION TO COMPUTING	97%	Pass Distinction
LAW FOR LIFE	64%	Pass
MACHINE INTELLIGENT III	68%	Pass



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147862



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).  
For verification purposes, institutions must check this is a genuine record.



## STATEMENT OF EXAMINATION RESULTS

THEERESHAN MOODLEY

0405055327085

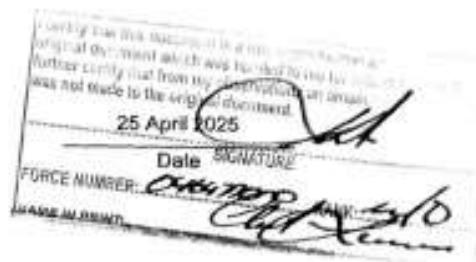
### DEGREE OF BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

which is issued under Certificate No:  
**2744\$Z**

with effect from  
**12 March 2025**

continued...

MATHEMATICS FOR COMPUTING IA	72%	Pass
MATHEMATICS FOR COMPUTING IB	65%	Pass
NETWORKS AND OPERATING SYSTEMS II	60%	Pass
ORGANISATIONAL BEHAVIOUR II	59%	Pass
PLATFORM BASED DEVELOPMENT III	67%	Pass
PROGRAMMING LANGUAGES II	61%	Pass
PROJECT III	62%	Pass
RESEARCH SKILLS	52%	Pass
SOCIAL AND PROFESSIONAL ISSUES III	76%	Pass Distinction
SOFTWARE DEVELOPMENT FUNDAMENTALS	83%	Pass Distinction
SOFTWARE ENGINEERING III	63%	Pass
SYSTEMS ANALYSIS AND DESIGN II	59%	Pass
SYSTEMS FUNDAMENTALS	82%	Pass Distinction



147862

Dr. M J Nkonoane  
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.



ISSUED ON:  
July 28, 2025

CERTIFICATE ID NUMBER:  
[8b73e80827ca487091ca716069f53d49](https://learning.osce.org/certificates/8b73e80827ca487091ca716069f53d49)

Organization for Security and Co-operation in Europe

<https://learning.osce.org/certificates/8b73e80827ca487091ca716069f53d49>



## 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  
ID: RZATI9460

Professeur Dominique Sprumont  
Coordinateur TRREE Coordinator

APPROVED BY  
**SIWF**  
FAFH  
**ISFM**

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

**HKU** LKS Faculty of Medicine  
Clinical Trials Centre  
香港大學醫學院  
臨床試驗中心

Ce programme est soutenu par - This program is supported by  
European and Developing Countries Clinical Trials Partnership (EDCTP) <https://www.edctp.org/> - Asia National Science Foundation [www.nsfc.ac.cn](https://www.nsfc.ac.cn/) - Canadian Institutes of Health Research <https://www.cihr.ca/en/2891.html> -  
Sino-Academy of Medical Science (SAM) [www.sam.ac.cn](https://www.sam.ac.cn/) - Commission for Research Partnerships with Developing Countries [www.kfzg.ac.at/](https://www.kfzg.ac.at/)

JREF : 20250116