



# ABDULRAHMAN AL-SUMAIT UNIVERSITY (SUMAIT)

## **JOB OPPORTUNITIES**

**Abdulrahman Al-Sumait University (SUMAIT)** was established on the foundation of the former University College of Education Zanzibar, founded in 1998 by the Kuwait-based charity organization, **Direct Aid (DA)**. As part of its continued growth and commitment to academic excellence, **SUMAIT invites applications from suitably qualified individuals to fill academic positions in the fields of Cybersecurity, Data Science, and Computer Science**, as outlined below:

### **JOB DETAILS:**

**Abdulrahman Al-Sumait University (SUMAIT)** is seeking highly qualified and motivated individuals to join the Faculty of Science in the areas of **Cybersecurity, Data Science, and Computer Science**. The University aims to recruit top-tier academic staff who are passionate about teaching, research, and contributing to the advancement of technology. An academic career in these fields offers experts the opportunity to shape future technology leaders while engaging in impactful, real-world research and innovation.

This is an excellent opportunity for experienced and committed professionals in **Cybersecurity, Data Science, or Computer Science** to contribute meaningfully to higher education and research. The ideal candidates will have a solid academic and professional background, strong communication and collaboration skills, and a dedication to delivering high-quality instruction and mentorship to students.

## **1. Cybersecurity Lecturer/Assistant Lecturer**

- Job Type:** Academic Position report to HoD of Department of Mathematics and Computer Science.
- Job Location:** Abdulrahman Al-Sumait University (SUMAIT) - Zanzibar
- No. of Positions:** Four (04).

## Qualifications:

### ❖ Lecturer

- Ph.D. in Cybersecurity or a closely related field (Computer Security, Information Security, Network Security, System Security, etc.).
- Master's Degree in Cybersecurity or a closely related field (Computer Security, Information Security, Network Security, System Security, etc.), with G.P.A of at least 4.0.
- A Bachelor's Degree in a relevant field (Cybersecurity, Computer Security, Information Security, Network Security, Computer Science, Information Technology, Computer Networks, Information Systems, Computer Engineering, Software Engineering, ICT, etc), with G.P.A of at least 3.5.
- A strong record of research publications in cybersecurity.

### ❖ Assistant Lecturer

- Master's Degree in Cybersecurity or a closely related field (Computer Security, Information Security, Network Security, System Security, etc.), with G.P.A of at least 4.0.
- A Bachelor's Degree in a relevant field (Cybersecurity, Computer Security, Information Security, Network Security, Computer Science, Information Technology, Computer Networks, Information Systems, Computer Engineering, Software Engineering, ICT, etc), with G.P.A of at least 3.5.

## Essential Requirements:

- University-level teaching experience (2–3 years) in core cybersecurity and related subjects
- Strong ability to teach core cybersecurity subjects, including Cybersecurity, Network Security, Information Security, Cryptography, Digital Forensics, Ethical Hacking, Database Security, Vulnerability Analysis, System Administration, and Security Strategies (Windows/Unix/Linux), and other relevant subjects.
- Familiarity with Cyber Law, Cyber Warfare, and Cyber Risk Management.
- Proficiency / Experience in security tools such as Kali Linux, firewalls, Wireshark, SIEM (Security Information and Event Management systems), Intrusion Detection Systems (IDS), Intrusion Prevention Systems (IPS), penetration testing, vulnerability assessments, etc.
- Strong understanding of security protocols, cryptography, risk management, penetration testing, incident response, and operating systems security (Windows, Linux, Unix), etc.
- Knowledge of various cybersecurity frameworks (e.g., NIST, ISO 27001, etc.)
- Ability to develop and deliver curriculum on cybersecurity topics.
- Research experience and willingness to research cybersecurity and related topics

## 2. Data Science Lecturer/Assistant Lecturer

**Job Type:** Academic Position report to HoD of Department of Mathematics and Computer Science.

**Job Location:** Abdulrahman Al-Sumait University (SUMAIT) - Zanzibar

**No. of Positions:** Four (04).

## **Qualifications:**

### **❖ Lecturer**

- Ph.D. in Data Science or a closely related field (Artificial Intelligence, Machine Learning, Data Analytics, Big Data, Big Data Analytics, etc.)
- Master's Degree in Data Science or a closely related field (Artificial Intelligence, Machine Learning, Data Analytics, Big Data, Big Data Analytics, etc.), with G.PA of at least 4.0.
- Bachelor's Degree in a relevant field (Data Science, Computer Science, Artificial Intelligence, Machine Learning, Data Analytics, Big Data, Big Data Analytics, Information Systems, Software Engineering, Computer Science, Information Technology, Computer Networks, Information Systems, Computer Engineering, ICT, Software Engineering, etc.), with G.P.A of at least 3.5.
- A strong record of research publications in data science, machine learning, or artificial intelligence.

### **❖ Assistant Lecturer**

- Master's Degree in Data Science or a closely related field (Artificial Intelligence, Machine Learning, Data Analytics, Big Data, Big Data Analytics, etc.), with G.PA of at least 4.0.
- Bachelor's Degree in a relevant field (Data Science, Computer Science, Artificial Intelligence, Machine Learning, Data Analytics, Big Data, Big Data Analytics, Information Systems, Software Engineering, Computer Science, Information Technology, Computer Networks, Information Systems, Computer Engineering, ICT, Software Engineering, etc.), with G.P.A of at least 3.5.

## **Essential Requirements:**

- University-level teaching experience (2–3 years) in core data science and related subjects.
- Strong ability to teach core data science subjects, including Data Science, Machine Learning, Deep Learning, Big Data Analytics, Artificial Intelligence, Natural Language Processing, Data Visualization, Data Mining, Predictive Analytics, Business Intelligence, and other relevant subjects.
- Proficiency / Experience in Data Science Tools & Frameworks: Experience with tools and frameworks like Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), R, SQL, Hadoop, Spark, Tableau, Power BI, Jupyter Notebooks, and cloud computing platforms (AWS, Azure, GCP), etc.
- In-depth knowledge and hands-on experience with machine learning algorithms, predictive modeling, data cleaning, feature engineering, and model evaluation as well as using data visualization tools such as Tableau, Power BI, matplotlib, and ggplot for effective data storytelling, etc.

- Knowledge of various data science methodologies and frameworks, such as CRISP-DM (Cross-Industry Standard Process for Data Mining), Explainable AI (XAI), Responsible AI principles, etc.
- Ability to develop and deliver curriculum on data science and AI-related topics.
- Research experience and willingness to conduct research in data science, artificial intelligence, and related areas

### 3. Computer Science Lecturer/Assistant Lecturer

**Job Type:** Academic Position report to HoD of Department of Mathematics and Computer Science.

**Job Location:** Abdulrahaman Al-Sumait University (SUMAIT) - Zanzibar

**No. of Positions:** Four (04).

#### Qualifications:

##### ❖ Lecturer

- Ph.D. in Computer Science or a closely related field (Information Technology, Software Engineering, Computer Engineering, Information Systems, ICT, Computer Networks and Communication, Artificial Intelligence, Data Science, etc.).
- Master's Degree in Computer Science or a closely related field (Information Technology, Software Engineering, Computer Engineering, Information Systems, ICT, Computer Networks and Communication, Artificial Intelligence, Data Science, etc.), with G.P.A of at least 4.0.
- Bachelor's Degree in a relevant field (Information Technology, Software Engineering, Computer Engineering, Information Systems, ICT, Computer Networks and Communication, Artificial Intelligence, Data Science, etc.), with G.P.A of at least 3.5.
- A strong record of research publications in Computer Science or related areas.

##### ❖ Assistant Lecturer

- Master's Degree in Computer Science or a closely related field (Information Technology, Software Engineering, Computer Engineering, Information Systems, ICT, Computer Networks and Communication, Artificial Intelligence, Data Science, etc.), with G.P.A of at least 4.0.
- Bachelor's Degree in a relevant field (Information Technology, Software Engineering, Computer Engineering, Information Systems, ICT, Computer Networks and Communication, Artificial Intelligence, Data Science, etc.), with G.P.A of at least 3.5.

#### Essential Requirements:

- University-level teaching experience (2–3 years) in core Computer Science and related subjects,
- Strong ability to teach core Computer Science subjects, including Data Structures, Algorithms, Web app development, Mobile app development, Software Engineering,

Human-Computer Interaction, Software Testing and Integration, Database Systems, E-learning, Software Development Management, Operating Systems, Distributed Systems, Artificial Intelligence, Machine Learning, Computer Networks, Computer Architecture, Programming Languages, and other relevant subjects.

- Familiarity with current trends in Computer Science, including Big Data, the Internet of Things (IoT), Blockchain, Cloud Computing, etc.
- Proficiency in programming languages such as Java, Python, C++, JavaScript, and VB.NET, SQL, and other relevant languages for teaching and practical applications.
- Strong understanding of software development methodologies, including Agile and DevOps practices, along with hands-on experience with computer science frameworks and tools such as Git, Docker, Kubernetes, and various development environments
- Ability to develop and deliver curriculum on Computer Science topics.
- Research experience and willingness to conduct research in Computer Science and related areas.

### **Essential Duties and Responsibilities:**

- Teaching responsibilities will include undergraduate courses and supervision of students' research in relevant areas of specialization.
- Maintaining an active research program that involves conducting research in the area of specialization, publishing in peer-reviewed journals, securing external research funding, and contributing to the academic reputation of the University.
- Designing and developing undergraduate and graduate academic programs, ensuring alignment with current academic standards, industry demands, and emerging technological trends.
- Conducting seminars, tutorials, workshops, and other academic activities to enhance student learning, critical thinking, and engagement.
- Participating in curriculum review and quality assurance processes, ensuring continuous improvement of academic content and delivery.
- Providing academic advising and mentorship to students, supporting their academic growth, research activities, and career development.
- Contributing to departmental, faculty, and university-wide committees or initiatives, supporting academic governance and community outreach.
- Any other duties as may be assigned by the University in line with academic and institutional responsibilities.

### **Application Procedure:**

Qualified and Interested applicant for the above post is requested to submit application letter, curriculum vitae, and attach copies of Professional Academic certificates to: - [recruitment@sumait.ac.tz](mailto:recruitment@sumait.ac.tz) by 30<sup>th</sup> May 2025.

### **Applications should be addressed to:**

**Vice Chancellor,  
Abdulrahman Al-Sumait University (SUMAIT),  
P.O. Box 1933,  
Zanzibar/Tanzania  
Email: [recruitment@sumait.ac.tz](mailto:recruitment@sumait.ac.tz)**

This advert can also be downloaded from the **SUMAIT** website: [www.sumait.ac.tz](http://www.sumait.ac.tz)

