## نموذج محتويات السيرة الذاتية لأعضاء هيئة التدريس في الجامعة

| | البيانات باللغة الإنجليزية | البيانات باللغة العربية | |
|---|---|---|---|
| **Personal Information** | Name:Yousif Ahhmed Alhaj Sultan Aleryani<br>Academic Degree: Phd<br>Specialty: AI (Machine Learning(NLP))<br>Faculty:Computer science<br>Department: Computer science<br>E-mail:yalhag@gmail.com | الاسم:يوسف احمد الحاج سلطان الارياني<br>الدرجة العلمية: دكتوراة<br>التخصص الدقيق: ذكاء اصطناعي التعلم الالي "معالجة اللغة الطبيعية "<br>الكلية:علوم الحاسوب<br>القسم العلمي:<br>الايميل:**yalhag@gmail.com** | **المعلومات الشخصية** |
| **Personal Summary** | Dr. Yousif A. Alhaj is a dedicated researcher and educator with a PhD in Computer Science from Wuhan University of Technology, China, specializing in Arabic text classification, machine learning, and natural language processing (NLP). His research explores AI-driven solutions for text classification, opinion mining, and practical applications in cybersecurity and healthcare.<br><br>Dr. Alhaj has held multiple teaching positions across universities in Yemen, where he has taught machine learning, web design, Python, C++, and data mining. Currently, he heads the Artificial Intelligence Department at Modern Specialized University and the Cybersecurity Department at Al-Saeeda University in Sana'a, Yemen. His | الدكتور يوسف أ. الحاج هو باحث وأكاديمي متميز حاصل على درجة الدكتوراه في علوم الحاسوب من جامعة ووهان للتكنولوجيا في الصين، متخصص في تصنيف النصوص العربية (**NLP**.)، والتعلم الآلي، ومعالجة اللغة الطبيعية يركز بحثه على إيجاد حلول مدفوعة بالذكاء الاصطناعي لتصنيف النصوص، واستخلاص الآراء، وتطبيقات عملية في مجالات الأمن السيبراني والرعاية الصحية.<br>شغل الدكتور الحاج عدة مناصب تدريسية في جامعات مختلفة في اليمن، حيث درّس مواد تشمل التعلم الآلي، وتصميم الويب، وتنقيب البيانات. يشغل ++**C** ولغات البرمجة مثل بايثون و حالياً منصب رئيس قسم الذكاء الاصطناعي في الجامعة المتخصصة الحديثة ورئيس قسم الأمن السيبراني في جامعة السعيدة في صنعاء، اليمن. يمتلك الدكتور الحاج خبرة تقنية واسعة في تطوير البرمجيات باستخدام بايثون ودجانغو، وإدارة قواعد البيانات، وأمن الشبكات.<br>قدم الدكتور الحاج مساهمات علمية بارزة في مجلات دولية مثل **IEEE Access** ، حيث ركزت أبحاثه على تحسين خوارزميات | **نبذة تعريفية** |

| | | | |
|---|---|---|---|
| | technical expertise spans software development in Python and Django, database administration, and network security.<br><br>Dr. Alhaj has contributed to notable publications in IEEE Access and other international journals, focusing on the optimization of machine learning algorithms and the enhancement of Arabic document classification techniques. He also actively reviews academic papers for journals in his field.<br><br>Outside academia, Dr. Alhaj has substantial experience in software development for financial and banking systems, developing AI-based applications for real-world problem-solving. His contributions to workshops on curriculum development and program accreditation further reflect his commitment to advancing educational standards in technology fields.  transalte into arabic | التعلم الآلي وتعزيز تقنيات تصنيف الوثائق العربية. كما يعمل كمراجع للأوراق الأكاديمية في مجالات اختصاصه.<br>خارج الأوساط الأكاديمية، يتمتع الدكتور الحاج بخبرة واسعة في تطوير البرمجيات للأنظمة المالية والمصرفية، حيث طور تطبيقات تعتمد على الذكاء الاصطناعي لحل المشكلات في العالم الواقعي. كما تبرز مشاركاته في ورش العمل الخاصة بوضع المناهج التعليمية واعتماد البرامج الأكاديمية التزامه بتطوير معايير التعليم في مجالات التكنولوجي | |
| **Education** | - PhD. in Computer science. GPA: 91.53<br>Thesis Title: Preprocessing and Optimal Configuration for Arabic Text Classification.Wuhan, Hubei, China. 2020<br>- Master Degree in computer science. GPA: 91.78<br>Thesis Title: Cancer predication using machine learning. Wuhan, Hubei, China. Wuhan University of Technology 2016 | | التعليم |

| | | | |
|---|---|---|---|
| | - Bachelor Degree in engineering and information technology Sana'a, Yemen<br>- University of Modern Science 2009 | | |
| **Personal Skills** | **- Applications:** LATEX, Mendeley.<br>**-Programming Languages:**<br>Python, Django, Web Design (HTML and CSS,), C#, C++, Java oop , Full REST APIs, API authentication, Git.<br>**-Operating Systems:**<br>Linux, Windows XP,<br>Windows 11. | | المهارات<br>الشخصية |
| **Professional Experiences:** | **-2020 – Until Now Teaching Experience**<br>• Teaching 1- Machine Learning with python, 2- Web design in school of computer science, Sana'a University, Yemen.<br>• Teaching Web design in International University Of Technology Twintech, Yemen.<br>• Teaching 1- Web design and Django in Emirates International University, Yemen.<br>• Teaching 1- Python, 2- C++ in University of Modern Sciences (UMS), Yemen.<br>• Teaching 1- Machine Learning, 2- Python in Saba University, Yemen.<br>• Teaching 1- Python, 2- Machine Learning, 3- Data mining in Jordan Yemen University, Yemen.<br>• Teaching 1-Machine Learning, 2- Python, 3- Database1 in Sana'a Community College, | | الخبرات المهنية<br>والاكاديمية |

Yemen.
• Teaching 1-Machine Learning, 2- Python and Django, 3- Mobile Apps using KIVY and KIVYMD in University
of Modern Sciences Faculty of Engineering Information Technology , Yemen.
• Teaching 1-Systems management & maintenance, 2- Machine Learning in Al-Saeeda University , Yemen.
• Teaching Java OOP, 2- Machine Learning Modern Specialized University , Yemen.
• Online trainer Python For robotic company based in China

**-2022 Until now Head of Department**
  • Department of Artificial Intelligence, Modern Specialized University, Yemen, 2023 -until now.
  • Department of Cybersecurity, Al-Saeeda University, Sana'a, Yemen,2022 -until now.

**-2018 - until now. Academic papers reviewer**
• IEEE Access journal 2019 - present.
• Journal of Intelligent Systems 2019 - **present**.
.
**-2021 -5/2023. Software development - in Tharawat Company for Financial and Banking Systems.**
• Software development using python and django .
• AI software development such as (Machine learning, Neutral language progressing, computer

| | | | |
|---|---|---|---|
| | vision, APIs).<br>• API authentication<br>.<br>**-2008 - 2014 IT Administrator - National Oncology Center, Sana'a Yemen.** | | |
| **Projects** | | | المشاريع المنجزة |
| **Professional Affiliations** | | | الانتماءات المهنية |
| **Training Courses** | | | الدورات التدريبية |
| **Scientific Activities and Conferences** | -May 2023 Workshop on master degree Course Description for Faculty of Information technology ProgramAl-Saeeda University, Sana'a, Yemen.<br><br>-May 2023 Workshop on Course Description for Faculty of cybersecurity Program Al-Saeeda University, Sana'a, Yemen.<br><br>-May 2022 Workshop on Course Description for Faculty of Artificial Intelligence Program Al-Nassar University, Sana'a, Yemen.<br><br>-May 2022 Workshop on Qualify Engineering and Information Technology Programs for ABET Accreditation | | الانشطة ومؤتمرات العلمية |
| **Publications** | • Al-Haj, Yousif A., et al. "Smart Diagnosis System For Diabetic Retinopathy." 2023 International Conference on Artificial Intelligence Science and Applications in | | الأبحاث المنشورة |

Industry and Society (CAISAIS). IEEE, 2023.

• Al, Yousif A., et al. . "Optimal Using of Machine Learning Algorithms Hyperparameters for Diabetes Prediction. in Al Andalus university for science and technology" . (17)2023

• Alhaj, Yousif A., et al. "A Novel Text Classification Technique Using Improved Particle Swarm Optimization: A Case Study of Arabic Language." Future Internet 14.7 2022: 194.

• Abdulsalami, A. O., Elaziz, M. A., Al Haj, Y. A., & Xiong, S. 2022, August. An Improved Arithmetic Optimization Algorithm with Differential Evolution and Chaotic Local Search. In International Conference on Artificial Intelligence Science and Applications (pp. 81-96). Cham: Springer Nature Switzerland.

•Yousif A. Alhaj, Marwan M. Al-Falah, Abdullah M. Al-Arshy, Khadeja M. Al Nashad, Zain Alabedeen Ali Al Nomi, Badr A. Al Badawi and Mustafa S. Al Khayat. "An Efficient Machine Learning Algorithm for Breast Cancer Prediction". 2022:

• Alhaj YA, Al-qaness MA, Dahou A, Elaziz MA, Zhao D, Xiang J. Effects of Light Stemming on Feature Extraction and Selection for Arabic Documents

Classification. InRecent Advances in
NLP: The Case of Arabic Language 2020 (pp. 59-79).
Springer, Cham.

• Y. A. Alhaj, J. Xiang, D. Zhao, M. A. Al-Qaness, M. A.
Elaziz, and A. Dahou, "A Study of the Effects
of Stemming Strategies on Arabic Document
Classification". IEEE Access, 2019. vol. 7, pp.
32664–32671.

• Alhaj YA, Wickramaarachchi WU, Hussain A, Al-
Qaness MA, Abdelaal HM. Efficient Feature
Representation Based on the Effect of Words
Frequency for Arabic Documents Classification.
InProceedings of the 2nd International Conference on
Telecommunications and Communication Engineering
2018 Nov 28 (pp. 397-401). ACM.

• Al-qaness MA, Abd Elaziz M, Kim S, Ewees AA, Abbasi
AA, Alhaj YA, Hawbani A. Channel State
Information from Pure Communication to Sense and
Track Human Motion: A Survey. Sensors.
2019.
• Alhaj YA, Al-qaness MA. "Feature Selection on Arabic
Document Classification : Comparative
study," Proc.15 ICIM, pp. 345–355, no. April, 2018.
Jan;19(15):3329
• Abbasi, Aaqif Afzaal, Almas Abbasi, Mohammed AA
Al-qaness, Ammar Hawbani, Ahmed A.
Ewees, and Yousif A. Alhaj. "Fact-Checking:
Application-Awareness in Data Centre Resource

| | | |
|---|---|---|
| Management." In Swarm Intelligence for Cloud Computing, pp. 153-164. Chapman and Hall/CRC, 2020.<br><br>.<br><br>• WICKRAMAARACHCHI, Wiraj Udara; ALHAJ, Yousif A.; GUNESEKERA, Asela. Effective PrivacyPreserving Iris Recognition. In: 2019 IEEE 4th International Conference on Image, Vision and Computing (ICIVC). IEEE, 2019. p. . .421-426 2019 | | |