

CV
CURRICULUM-VITAE

Dr. Elshrif Ibrahim Elmurngi

Assistant Professor / Software Engineering & Information Technology

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PROFESSIONAL SUMMARY

Assistant Professor with a PhD in Data Analysis and over 10 years of academic and research experience. Specialized in machine learning, sentiment analysis, data science, and AI applications in e-commerce systems. Strong record in teaching, supervising research, publishing in peer-reviewed journals, and contributing to international conferences.

CORE COMPETENCIES

- Machine Learning & Artificial Intelligence
- Sentiment Analysis & Natural Language Processing
- Data Science & Data Analytics
- Software Engineering
- Academic Teaching & Supervision
- Research & Scientific Publishing
- Database Systems & Data Management

PROFESSIONAL EXPERIENCE

Assistant Professor / Lecturer – Higher Institute of Science and Technology, Libya

2008–2013 | 2020–Present

- Delivered courses in Software Engineering, OOP, Data Structures, OS, Networks, HCI, Python, AI
- Supervised 16+ graduation projects , software engineering, and data science
- Designed curricula, lab sessions, and academic materials
- Conducted AI training program for faculty members (2026)

Researcher – École de Technologie Supérieure (ÉTS), Canada

2016–2020

- Research in sentiment analysis and NLP

- Developed fake review detection models using machine learning
- Improved reputation systems for e-commerce platforms
- Designed models to filter unfair and biased reviews

EDUCATION

PhD in Data Analysis – ÉTS Montreal, Canada (2020)

MSc in Information & Communication Technology – University Utara Malaysia (2007)

TECHNICAL SKILLS

Python, C, C++ | Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch

SQL, BigQuery | Jupyter Notebook, Tableau | Statistical Analysis, Text Mining

RESEARCH INTERESTS

- Sentiment Analysis
- Machine Learning & NLP
- Data Science & Analytics
- E-commerce Review Mining
- Artificial Intelligence Applications

PUBLICATIONS (SELECTED)

- Intrusion Detection System Using Supervised Learning Techniques (2024)
- Evaluating Security Criteria for Web-Based Applications (2024)
- Efficient Data Preparation for Robust Analysis (2024)
- An empirical study on detecting fake reviews using machine learning techniques (2017) (Cited by 101)
- Detecting fake reviews through sentiment analysis using machine learning techniques (Cited by 102)
- Fake Reviews Detection on Movie Reviews through Sentiment Analysis Using Supervised Learning Techniques (2017–2018) (Cited by 22)
- Unfair reviews detection on amazon reviews using sentiment analysis with supervised learning techniques. (2018) (Cited by 82)
- Building Sentiment Analysis Model and Compute Reputation Scores in E-Commerce Environment Using Machine Learning Techniques. (2022) (Cited by 20)

CONFERENCES & ACADEMIC ACTIVITIES

- Presenter – International Conference on Data Analytics, Barcelona (2017)
- Session Chair – EMERGING Conference, Barcelona (2017)
- AI Training Program – Higher Institute of Science and Technology (2026)

- Member – Exams Committee (2008–2013)

CERTIFICATIONS

- **Excellence in Reviewing of Research in Computer Science**
Asian Journal, 2023
- **Foundations: Data, Everywhere**
Coursera, 2022
- **Prepare Data for Exploration**
Coursera, 2022
- J2EE (Java EE – JSP), University Utara Malaysia (2007)

LANGUAGES

Arabic (Native), English (Professional)

SOFT SKILLS

- Leadership & Teamwork
- Communication Skills
- Time Management
- Problem Solving
- Work Under Pressure