

Curriculum Vitae

Personal information

Full name: Sabat Salih Muhamad

Gender: Female

Age: 1-1 -1984

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Nationality: Kurdish- Iraqi



Personal Profile

I am a dedicated computer researcher and machine learning enthusiast with a strong foundation in both theory and practical application. I hold a Master's degree in Computer Science from Soran University, where my research focused on deep learning algorithms for natural language processing. With 3 years of industry experience, I have worked on a diverse range of projects, such as, developing text to speech systems and developing automatic speech recognition and creating Central Kurdish dataset.

Personal Skills

- **Communication:** Effective verbal and written communication.
- **Teamwork:** Collaborative and able to work well in teams.
- **Adaptability:** Flexible and open to change.
- **Time Management:** Organized and skilled at prioritization.
- **Attention to Detail:** Precise and thorough in tasks.
- **Self-Motivation:** Self-driven and results-oriented.
- **Adaptability to Technology:** Comfort with digital tools.
- **Research Skills:** Gathering and analyzing information.

Education

BSc, Statistical and Computer department, Faculty of Commerce, Sulaimani University, Kurdistan, Iraq, 2006

MSc, Computer Science department Artificial Intelligence (AI), Faculty of Science, Soran University, Kurdistan, Iraq, 2022

School history and details

- 1989 – 1994 First grade 1- 6th , Amin Zaki, Sulaimani district, Best students.
- 1995-1997 Second grade 7-9th, Viyan, Sulaimani district, Top Student in all grades.
- 1998 – 2001 Grade 10th -12th, in the top 10 percentage. Graduated high school with average of good and been approved for college.

Work Experience

- Employee at Sulaimani university, Sulaimani, 2005 – 2008.
- I taught under graduate at Soran university in 2008 till now.
- I worked with World Orphan NGO in 2015-2016
- I worked on a project for the Kurdish language with the Council of Ministers team of the Kurdistan Regional Government in 2023-2024.
- I am working with the Kurdish Academy team on the digitization of the Kurdish language.

Projects

- Make Text to Speech end-to-end using deep learning (2019-2022)
- Make speech corpus 21h (2021)
- Helping to make Speech Corpus 170h (2019-2022)

AI technical Skills

- 1) Machine Learning: TensorFlow, PyTorch, scikit-learn
- 2) Programming Languages: Python
- 3) Computer Vision: CNNs, Image Classification
- 4) Digital signal processing (DSP)
- 5) Natural Language Processing

Language Skills

- Native speaker of Kurdish.
- English good
- Arabic fair.

Interests

- Paint
- Read and write
- Research
- Travel
- Photography

Publications

- Muhamad, S. and Ahmed, T., 2021. Counterfeit currency recognition using deep learning: A review.
- Muhamad, S. and Ahmed, T.N., 2021. Image-Based Processing of Paper Currency Recognition and Fake Identification: A Review.
- Muhamad, S. and Veisi, H., 2022. End-to-End Kurdish Speech Synthesis Based on Transfer Learning. *Passer Journal of Basic and Applied Sciences*, 4(2), pp.150-160.
- "Digital Transformation at Fuel Stations in Sulaymaniyah, Kurdistan Iraq - Petro-retails Experience on Adoption of Digital Payment by the Consumers"., JKSS, no. 7, Aug. 2024, Accessed: Oct. 10, 2024. [Online]. Available: <https://kissrjour.org/index.php/jkss/article/view/341>
- Muhamad, S.S., Veisi, H., Mahmudi, A., Abdullah, A.A. and Rahimi, F., 2024. Kurdish end-to-end speech synthesis using deep neural networks. *Natural Language Processing Journal*, 8, p.100096.

References

I.MSc Computer Science

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