



## Akan Sam

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### SUMMARY

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#### About Me

Results-driven Python Developer with expertise in software engineering and machine learning. Proven track record in developing and maintaining complex web applications, extending Django functionality through custom Python code. Skilled in implementing machine learning algorithms, including neural networks for deep learning. Proficient in integrating third-party services and APIs to optimize application performance and user experience.

### WORK EXPERIENCE

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#### Fullstack Developer

*Techwave, Hungary* [ 31/08/2022 – Current ]

Country: Hungary

Business or sector: Information and communication

- Designed, developed, and maintained robust back-end services and APIs in Python, achieving a 30% boost in system performance and a 25% reduction in operational costs.
- Enhanced database and storage solutions, leading to a 40% improvement in data retrieval times.
- Implemented automated testing and test suites, resulting in a remarkable 65% reduction in bugs and elevating overall code quality by 25%.

#### Data Analyst / Junior Machine Learning Engineer

*Dataworks Inc.* [ 21/11/2020 – 31/01/2023 ]

Country: United States

Business or sector: Information and communication

- Designed and implemented a highly scalable database schema and data model, resulting in a 35% reduction in system downtime.
- Developed a Python-based customer segmentation algorithm, contributing to a remarkable 58% increase in market share during Q1 2022.
- Performed data extraction, transformation, and loading (ETL) processes with databases to facilitate seamless data analysis.
- Conducted exploratory data analysis (EDA) to discern patterns, trends, and outliers, informing data-driven decision-making processes.

### EDUCATION AND TRAINING

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#### Bachelor of Science

*Voronezh State University of Engineering Technologies* [ 01/09/2017 – 06/07/2021 ]

City: Voronezh

Country: Russia

Website: <https://vsuet.ru>

Field(s) of study: Applied Computer Science

Final grade: 4.3

#### Master of Science

*Voronezh State University of Engineering Technologies* [ 01/09/2021 – 06/07/2023 ]

City: Voronezh

Country: Russia

Website: <https://vsuet.ru>

Field(s) of study: Applied Informatics and Data Analysis

Final grade: 4.94

## LANGUAGE SKILLS

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Mother tongue(s): **English**

Other language(s):

**Russian**

**LISTENING B2 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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### Programming

Linux / Experience with PHP, SQL, HTML, CSS, JavaScript / Frameworks (Django, DRF, Laravel, Flask) / Python

### Data Analysis / Machine Learning

Pandas / Matplotlib / Numpy / Tensorflow/Keras / PyTorch / Seaborn / Scikit-Learn

### DevOps

Docker / Docker-Compose / Celery / Git / Redis

## PROJECTS

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### Neural Networks & Deep Learning

- Developed a linear regression model to predict the future health cost of treatment with 87% accuracy.
- Developed a neural networked text binary classifier to classify SMS messages as spam or not

Link: <https://github.com/samtechy26>

### Data Analysis with Python

- Demographic Data Analyzer
- Medical Data Visualizer
- Page View Time Series Visualizer
- Sea Level Predictor

Link: <https://github.com/samtechy26>

## CERTIFICATIONS

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### Scientific Computing with Python

Link: <https://www.freecodecamp.org/certification/sammytech/scientific-computing-with-python-v7>

### Data Analysis with Python

Link: <https://www.freecodecamp.org/certification/sammytech/data-analysis-with-python-v7>

### Machine Learning with Python

Link: <https://www.freecodecamp.org/certification/sammytech/machine-learning-with-python-v7>