

ALEX SHVACHKO

DATA ENGINEER, SOFTWARE DEVELOPER

SUMMARY

I'm 24 years old, a final-year Data Engineering student, and I enjoy building solutions that connect data, software, and people. I bring 5+ years of Python experience, over a year of production work in C#/.NET, and hands-on skills with SQL, data modeling, and MLOps practices like CI/CD, Docker/K8s, and monitoring. I've developed ML for large-scale longitudinal medical analytics, working with billions of rows, and I also explore Generative AI, from Stable Diffusion and Flux to RAG pipelines and vector stores.

Outside of work, I enjoy AI art and creating n8n automations, which keeps me experimenting and learning. I also have a year of tutoring experience in Python, helping others grow while sharpening my own skills. What drives me most is curiosity and the will to challenge myself with projects that have real impact. I'm looking for opportunities where I can contribute to data and ML initiatives while continuing to grow as an engineer.

MAIN SKILLS

- Python (5+ yrs), SQL, C#/.NET
- .NET Core, ASP.NET, REST - development experience
- Cloud Platforms (AWS, GCP, Azure)
- Dashboards: Power BI, Streamlit, Tableau
- NLP & LLMs: embeddings, sentiment analysis, RAG.
- Statistical Inference
- Big Data Tools: Spark, Hadoop, Hive, HDFS
- Application Security
- n8n, Webhooks, API's
- Have a strong experience with NoSQL databases(especially Mongo, MinIO, Redis, Cassandra)
- Commercial BI development with SSIS(advanced) C#/.NET (1 yr, production).
- Proficient with almost all popular SQL DB's(Postgre, SQL-Server)
- Expierenced in ETL\BI
- Fammiliar with Java, C/C++ (backend stack)
- XGBoost, LightGBM, SVM, MoE
- Advanced in ML Training\Evaluation
- LoRa training(advanced)
- Docker(advanced), Web API, Kubernetes
- Data Warehouse/Lake, Snowflake
- DevOps/CI: Git, GitHub Actions
- Flux, Stable Diffusion, ComfyUI(self-taught)
- pandas, TensorFlow, PyTorch, numpy, scikit-learn, optuna
- Experienced with Linux(advanced), Bash(advanced), Slurm

EXPERIENCE

ALGORITHM DEVELOPER

Millimedical Solutions(startup), 2024-present

- Led development of a service powering 20+ researchers with longitudinal medical analysis and temporal data mining at scale (>1B rows). Improved research efficiency through optimized C# and SQL pipelines, leveraging Python, DevOps tools, and Linux/SLURM.

AI COURSE TUTOR

Cyber Education Center, 2023-2024

- Completed a one-year contract as an AI course tutor for 10th grade excellence program students. Developed strong skills in team leadership, collaboration, communication, and public speaking while teaching core AI concepts.

EDUCATION

BEN-GURION UNIVERSITY OF NEGEV

B.Sc. in Data Engineering, 2022 - present

- Final-year student with strong interest and hands-on experience in data engineering. Accepted into the program without a psychometric score.
- **Current GPA: 80 (2025)**

AMIT HIGH SCHOOL BEER-SHEVA

High School Diploma, 2016-2019

- Graduated with honors, ranked among top 5 students.
- Participated in SKILLZ competition (2018–2019).
- **GPA: 116**

ARMY SERVICE

- Completed mandatory service in a non-combat support role.

LANGUAGES

- Hebrew (fluent)
- Russian (native)
- English (fluent)
- Ukranian (native)

CONTACT

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LINKS

Personal Website

LinkedIn

GitHub