

Hasan Savas

Cleveland/ OH | (216) 225 72 10 | hasansavas145@gmail.com

<https://www.linkedin.com/in/hasansavas145/>

I am a dedicated and results-driven IT Systems/Data Engineer with a robust background in SQL, Python, and R. Currently pursuing a Master's degree in Data Science, I have honed my skills in data analysis, machine learning, and statistical modeling. My professional journey is complemented by numerous industry-recognized certifications, including AWS Certified Cloud Practitioner, showcasing my commitment to continuous learning and professional growth. With extensive experience in developing and managing complex systems, I excel in creating efficient, scalable solutions that drive operational success. I am passionate about leveraging my technical expertise to solve challenging problems and contribute to innovative projects in dynamic environments.

TECHNICAL SKILLS

Data Science: Predictive Modeling, Data Visualization, Machine Learning, Data Wrangling and Database Management

Programming: Python, SQL, Bash Shell Scripting

Machine Learning & Data Analytics Tools: Scikit-learn, Pandas, Numpy, SciPy, Statsmodels, Anaconda,, Keras

SELECTED PROJECTS

MORTGAGE DEFAULT MODELING, September 2023

- Downloaded and sampled 15 million rows of mortgage performance data from Freddie Mac using AWS S3, AWS Athena and SQL
- Developed XGB model to predict mortgage defaults with special considerations to class imbalance. The model had 85% F1 Score

UTILIZING REGRESSION MODELS TO ACHIEVE PRECISE FORECASTS OF MEDICAL INSURANCE COST, May 2023

- Investigated the relationships between variables.
- Obtained simplest and useful model to predict insurance cost with 89% R-sq value

WORK EXPERIENCE

IT Systems/Data Engineer, DAIFUKU NORTH AMERICA June 2024, Present, Columbus, OH

- Finds applicable data, through SQL queries/software applications/server logs, to solve and/or support solutions/customer issues.
- Design, develop, and maintain scalable data pipelines to ingest, process, and transform large datasets from various sources.
- Collaborate with customers to enable the successful operation of our automated solutions.

Data Science Intern, DECI TECH July 2023 – June,2024, Fairfax,VA

- Completed a rigorous data science training covering python programming, data analysis, data visualization, statistics, regression models, machine learning models, AWS, SQL and model deployment.
- Working as an intern delivering data science projects to clients in the finance industry.

Stem Coordinator/ Science Teacher , CONCEPT SCHOOLS 2013 August - 2022 July

- Taught high school science courses, including chemistry and physics.

EDUCATION

• **Marmara University**, BSc in Chemistry/ MSc in Chemistry Education

May 2011

• **American College of Education**, M.Ed in STEM Leadership

April 2019

• **Eastern University**, MS in Data Science

Expected

2025

CERTIFICATIONS AND AWARDS

• **Predictive Modeling**, University of Minnesota

2024

• **Certificate in Data Science**, Data Science Vista

2023

• **IBM Data Science Professional Certificate**, IBM

2023

• **AWS Certified Cloud Practitioner**, AWS

Expires

2027

• Ohio Governor's Excellence in STEM Award (3 years)

2016-2018