

Hande Pehlivan

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SUMMARY

Detail-oriented data analyst with proven experience in predictive modeling, data visualization, and analytics. Skilled in Python, R, SQL, SAS, and machine learning, with a strong background in healthcare and telecommunications sectors. Committed to using data analytics to drive business decisions and social change.

EXPERIENCE

Data Analyst Intern

2023 - 2023

US Cellular, Chicago, IL

- Analyzed 2M+ records using Power BI and SQL, pinpointing customer demographics and behaviors that significantly impacted churn.
- Developed and refined predictive models in SAS and SQL to forecast customer trends, providing key insights to marketing teams.
- Created interactive dashboards in Tableau for senior leadership, translating data findings into clear visualizations for informed decision-making.
- Collaborated with cross-functional teams (e.g., Marketing, Finance) to validate and cleanse data, improving the accuracy of churn analysis.

Biomedical Engineer

2019 - 2019

Baxter International Inc., Round Lake, IL

- Conducted data analysis and process improvement for medical device development, troubleshooting analytical protocols to ensure reliable project data.
- Managed laboratory inventory and supported experiment execution, optimizing processes for R&D teams while maintaining compliance with regulatory standards.

VOLUNTEER EXPERIENCE

Data Analyst Volunteer

Be The Voice, Remote

2025 – Present

- Employing SQL, Python, and Power BI to analyze and visualize school climate data to support a non-profit initiative focused on reducing bullying and promoting inclusion in K-12 schools.
- Developing predictive models to assess program impact, guide strategic decisions, and enhance educational environments.
- Collaborating with a team of volunteers to compile and manage public data, ensuring data-driven insights are accessible for stakeholders.

EDUCATION

Master of Analytics (Computational Data Science) - GPA: 3.41/4.0

2021 - 2024

Georgia Institute of Technology, Atlanta, GA

Master of Biomedical Engineering - GPA: 4.0/4.0

2018 - 2019

Illinois Institute of Technology, Chicago, IL

Bachelor of Science in Biomedical Engineering - GPA: 3.49/4.0

2011 - 2015

Namik Kemal University, Turkey

TECHNICAL AND SOFT SKILLS

- **Programming Languages:** Python (Pandas, Scikit-Learn, PyTorch), R, SQL, SAS
- **Software and Tools:** Tableau, Power BI, Cognos, Minitab, Microsoft Excel
- **Statistical Techniques:** Regression Analysis, Predictive Modelling, Time Series, Machine Learning
- **Soft Skills:** Attention to detail, Effective and Succinct Organization, Time management, Collaboration and Communication

SELECTED PROJECTS

Breast Cancer Detection using CNNs

Collaborated with AI+ First Technology Co., Ltd.

- Analyzed 2,000+ ultrasound images using ResNet, MobileNet, and YOLOv5, achieving up to 96.52% accuracy in classifying breast tumors as benign or malignant.
- Enhanced model performance with data augmentation and Faster R-CNN object detection, reducing misclassification errors and improving tumor detection reliability.

Stockminer - Financial Literacy Application

- Analyzed 3M+ rows of historical stock data using Python and Pandas to provide insights and education to investors.
- Developed an interactive financial literacy interface, increasing financial understanding for 77.8% of novice investors.

BuzzCars - Inventory Management System

- Developed an inventory and financial tracking system using HTML, PHP, and MySQL for a used car dealership, streamlining their customer interaction and financial reporting processes.