

Selman Imdat / Data Scientist

ahmetselmanimdat@gmail | +90 541 828 25 01 | selmanimdat.com | linkedin.com/in/selmanimdat
github.com/selmanimdat

Education

Mastering Applied Data Science with Deep Learning Bootcamp Sept 2022 – Dec 2022

- Data Science Bootcamp, Los Angeles, CA, USA
- Completed an intensive 12 week bootcamp focused on advanced data science techniques, with a specialization in deep learning.
- Developed expertise in designing, training, and evaluating deep neural networks for various applications, including image recognition, natural language processing, and time series analysis.
- Gained hands-on experience with industry- standard tools and frameworks, such as TensorFlow, and Keras.
- Executed multiple real-world projects, showcasing the ability to translate theoretical concepts into practical solutions.

Bachelor of Science in Computer Engineering Sept 2022 – Present

- Afyon Kocatepe University, Afyonkarahisar, Turkey / 2022- Present
- Pursuing a comprehensive undergraduate program in Computer Engineering.
- Specializing in areas such as data science, artificial intelligence, and machine learning.
- Gaining hands-on experience in programming languages, algorithms, and software development methodologies.
- Actively participating in academic projects and extracurricular activities to enhance practical skills and knowledge.

Experience

Artificial Intelligence Software Developer, Afyon Kocatepe University Artificial Intelligence Laboratory, CA May/2023 – Present

- Managed infrastructure and optimized data pipelines, successfully bringing 25+ machine learning models to production.
- Designed and implemented machine learning systems, reducing model training time by 27% through efficient code and hardware optimization.
- Led a team of 5-7 developers in the creation of AI algorithms for university research projects, increasing project completion rates by 80%.
- Conducted regular code reviews and optimization sessions, resulting in a 25% reduction in deployment errors.
- Collaborated with cross-functional teams to integrate AI solutions into existing systems, enhancing overall system performance by 25%.

President of Other Artificial Intelligence Club, Afyon Kocatepe University , WA Nov/2022 – Present

- Established and successfully led the Artificial Intelligence community, growing membership by 123% within one year through targeted outreach and engagement strategies.
- Organized 10+ events and projects, including workshops, hackathons, and guest lectures, to enhance interaction and engagement.
- Coordinated and managed multiple AI projects, mentoring over 22 students and leading the completion of 6 national-level competition entries.
- Actively engaged on social media platforms, boosting the community's online presence by 30% and attracting new collaborators.

Research Intern, UC Berkeley & Caltech Summer Research, Los Angeles, CA, PA Jul 2024 – Aug 2024

- Collected and analyzed astronomical data using the large telescopes, visualizing results with Python.
- Authored academic papers with LaTeX, contributing to research documentation and publication.
- Collaborated with UC Berkeley and Caltech researchers to refine methodologies and improve data accuracy.

- Presented findings in team meetings, receiving positive feedback for research clarity and thoroughness.

Career Objective

Driven data scientist with expertise in deep learning and a knack for deriving actionable insights from complex data. Seeking to leverage my skills to drive innovation and contribute to meaningful outcomes in a forward-thinking organization.

Projects

Regression Analysis with Web Scraping and Streamlit

github.com/selmanimdat

- Collected real-world rental house 899 row data using web scraping.
- Cleaned and preprocessed data for analysis.
- Predicted house rent prices using PyCaret for regression analysis.
- Developed an interactive Streamlit app for real-time model predictions.

E-Mail Classification Using NLP

github.com/selmanimdat

- Developed a machine learning model to classify emails as spam or non-spam using natural language processing (NLP) techniques.
- Data: Analyzed and processed a dataset of email messages.
- Preprocessing: Cleaned and preprocessed text data by converting to lowercase, removing punctuation, digits, and stopwords.
- Feature Extraction: Utilized CountVectorizer for text vectorization.
- Modeling: Implemented an SVM classifier, achieving an accuracy of 90.6%.

For more please visit my [github profile](#).

Skills

- **Deep Learning:** Neural Networks, CNNs, RNNs, GANs
- **Machine Learning:** Supervised and Unsupervised Learning, Feature Engineering
- **Programming Languages:** Python, R
- **Data Manipulation:** NumPy, Pandas
- **Data Visualization:** Matplotlib, Seaborn, Plotly
- **Tools/Frameworks:** TensorFlow, Keras, scikit-learn, Pycaret
- **Version Control:** Git, GitHub
- **Problem Solving:** Analytical Thinking, Experimentation
- **Communication:** Data Visualization, Technical Documentation
- **Collaboration:** Teamwork, Cross-functional Collaboration
- **Continuous Learning:** Keeping up-to-date with the latest developments

Language Proficiency

- Turkish: Native Speaker
- English: B2
- Japanese: Beginner