

Data Science



About Data Science

Our **Data Science** program is a total of five months, starting with three and a half months of intensive training at the ITC campus, followed by a five-week project period in high-tech companies. As a part of the soft skills program, our students will receive professional career guidance and personal mentorship to help you land your first position as a Data Scientist.

Students will be mentored by a strong technological team from the industry consisting of Tech Leads, Tech Mentors, and the program team.

The program is a full-time, hands-on accelerator that encourages research, autonomous learning, and teamwork, while putting an emphasis on the industry's best practices and needs.

» Fundamentals & Tools

- Python
- Model Deployment
- Spark, Docker
- Numpy, Pandas & Matplotlib
- Databases & SQL
- Data Visualization
- Statistics

» Core Data Science

- Exploratory Data Analysis
- Data Modeling
- Ensemble Methods
- Model Evaluation
- Model Interpretability
- Data pre-processing
- Timeseries & Anomaly Detection
- Hidden Markov Models
- Deep Learning & Neural Networks

» Company Workshops

Workshops are given on subjects such as: Neural Networks, NLP, Computer Vision, Time Series Analysis, Anomaly Detection, Clustering, Forecasting, Recommender Systems. Companies include: Outbrain, Wix, Explorium, Anodot, Fiverr, and more.

» Computer Vision & NLP Tracks

- Image Processing
- Image Segmentation & Object detection
- Super Resolution
- Edge Detection
- NLP Code Authorization
- Embeddings
- Entity Recognition
- Neural Machine Translation
- Transformers

» 5-Week Data Science Project

- Ranging from POC to production
- Real world problems, data sets & challenges
- Mentorship by Data Science Supervisor at our partner companies