



Data Science - Fellows Program

Computer Vision & NLP Specializations

Israel Tech Challenge collaborates with more than 250 partner high tech companies and more than 800 graduates. Among our partners are:



Our Data Science syllabus is designed by industry professionals and highly-experienced technological mentors, in addition to hands on workshops and projects which are based on collaboration with established high tech companies in the Israeli ecosystem.

250+

Partner companies in the Israeli high-tech industry

800+

Graduates

22

Countries represented

SYLLABUS

FUNDAMENTAL TOOLS & TECHNIQUES		<ul style="list-style-type: none"> • Python • Numpy, Pandas & Matplotlib • Spark, Docker • Model Deployment 	<ul style="list-style-type: none"> • Databases & SQL • Optimization • Data Visualization • Statistics
CORE DATA SCIENCE		<ul style="list-style-type: none"> • Exploratory Data Analysis • Data Modeling • Ensemble Methods • Model Evaluation • Model Interpretability 	<ul style="list-style-type: none"> • Data pre-processing • Timeseries & Anomaly detection • Hidden Markov Models • Deep Learning & Neural Networks
COMPUTER VISION & NLP SPECIALIZATIONS		<ul style="list-style-type: none"> • Image Processing • Image Segmentation & Object detection • Super Resolution 	<ul style="list-style-type: none"> • Embeddings • Entity Recognition • Neural Machine Translation • Transformers and BERT
DOMAIN SPECIFIC WORKSHOPS		<ul style="list-style-type: none"> • Recommendation Systems by Outbrain, Taboola • Autonomous Vehicles by Mobileye 	<ul style="list-style-type: none"> • Anomaly Detection by Anodot • Medical Imaging by Zebra medical • And many more!
5-WEEKS DATA SCIENCE PROJECT		<ul style="list-style-type: none"> • Ranging from POC to production • Real world problems, data sets & challenges 	<ul style="list-style-type: none"> • Mentorship by a Data Science teams at our partner companies • Opportunity for post- project hiring

For professional partnership, please contact our industry engagement department:

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visit our website at <https://www.itc.tech/hire-our-graduates-2/>

or visit us at our campus located on 18 Shoken St. Tel- Aviv