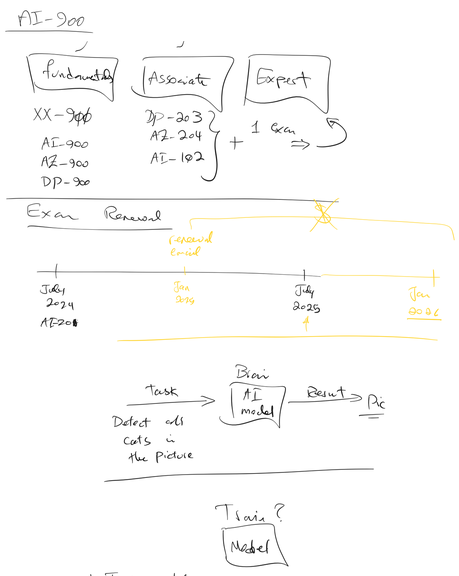
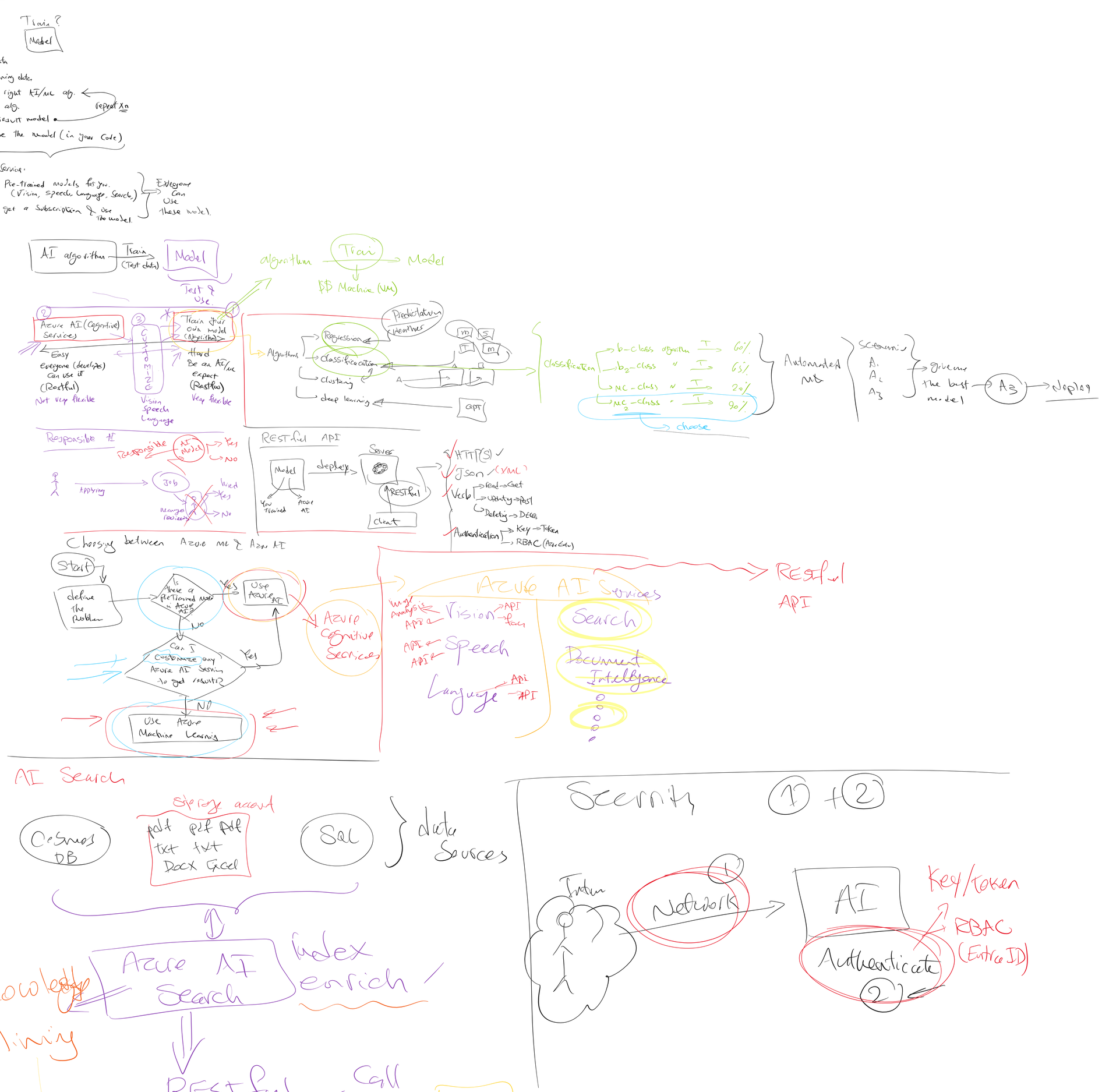
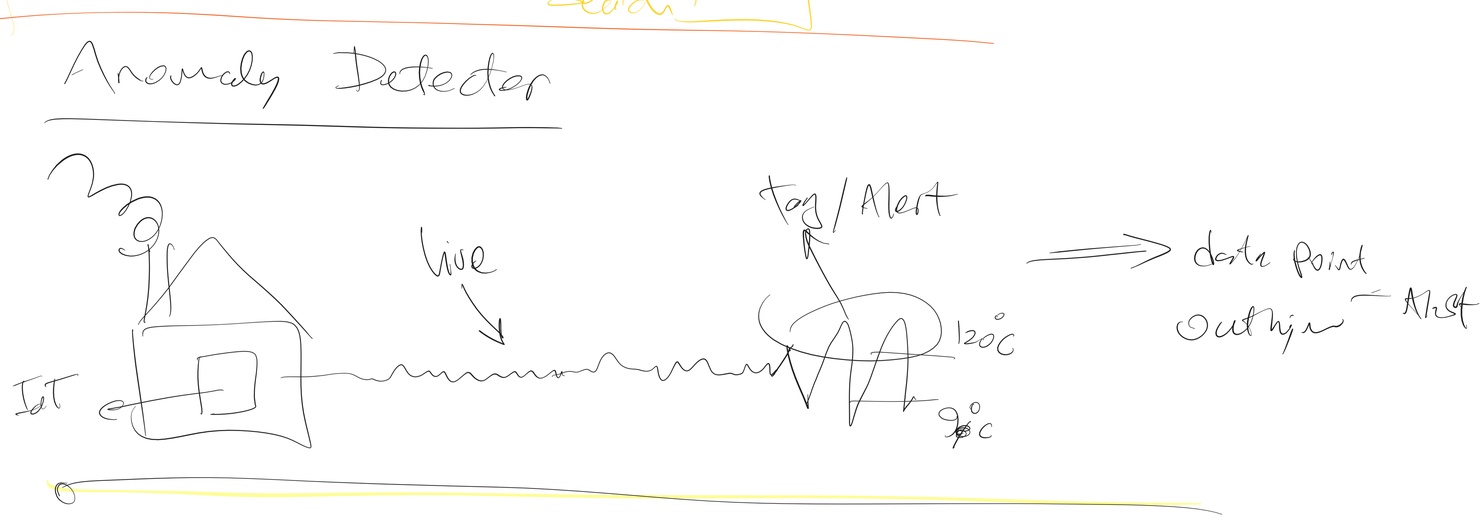

AI-900
fundamentals
Associate
Expert
XX-900
AI-900
AZ-900
DP-900
DP-203
AZ-204
AI-102
+
1 Exam
Exam Renewal
renewal period
July 2024
AZ-204
Jan 2025
July 2025
Jan 2026
Train?
Model
1- Training data
2. clean training data.
3. choose the right AI/ML alg.
4. Train the alg.
5. Test the result model
6. Deploy/use the model (in your code)
repeat Xn
Azure AI Services.
1. Microsoft Pre-trained models for you. (Vision, Speech, Language, Search)
2. You only get a subscription & use the model.
Developers can use these model.

Brain
Task
AI model
Result
Pic
Detect all cats in the picture


AI algorithm
Train (Test data)
Model
Test & Use
algorithm
Train
Model
DP Machine (ML)
Azure AI (Cognitive) Services
Train your own model (Algorithm)
Customize
Easy
everyone (developers) can use it (Restful)
Not very flexible
Hard
Be an AI/ML expert (Restful)
Very flexible
Vision
Speech
Language
Algorithms
Regression
Classification
clustering
deep learning
Prediction
Evaluate
CNTK
Classification
b-class algorithm
b_2-class
NC-class
NC_2-class
choose
Automated ML
Scenario
A_1
A_2
A_3
give me the best model
Deploy
Responsible AI
Responsible
AI Model
Key
No
Job
Applying
Hired
Key
No
Manager reviewing
RESTful API
Model
deploy
Server
RESTful
Client
Your Trained
Azure AI
HTTP(S) ✓
Json / (XML)
Verb
read → Get
Updating → Post
Deleting → Delete
Authentication
Key → Token
RBAC (Azure Entra)
Choosing between Azure ML & Azure AI
Start
define the Problem
Is there a pretrained model in Azure AI?
Yes
Use Azure AI
No
Can I customize any Azure AI Service to get results?
Yes
No
Use Azure Machine Learning
Azure Cognitive Services
Azure AI Services
Vision
Speech
Language
Search
Document Intelligence
RESTful API

AI Search
Storage account
pdf pdf pdf
txt txt
Docx Excel
CosmosDB
SQL
data Sources
Azure AI Search
Index enrich
Knowledge Mining
RESTful
Call
Search
Client
Security ① + ②
Internet
Network
AI
Authenticate
Key/token
RBAC (Entra ID)


Anomaly Detector
live
IoT
tag / Alert
120°C
90°C
data point outlier
Alert