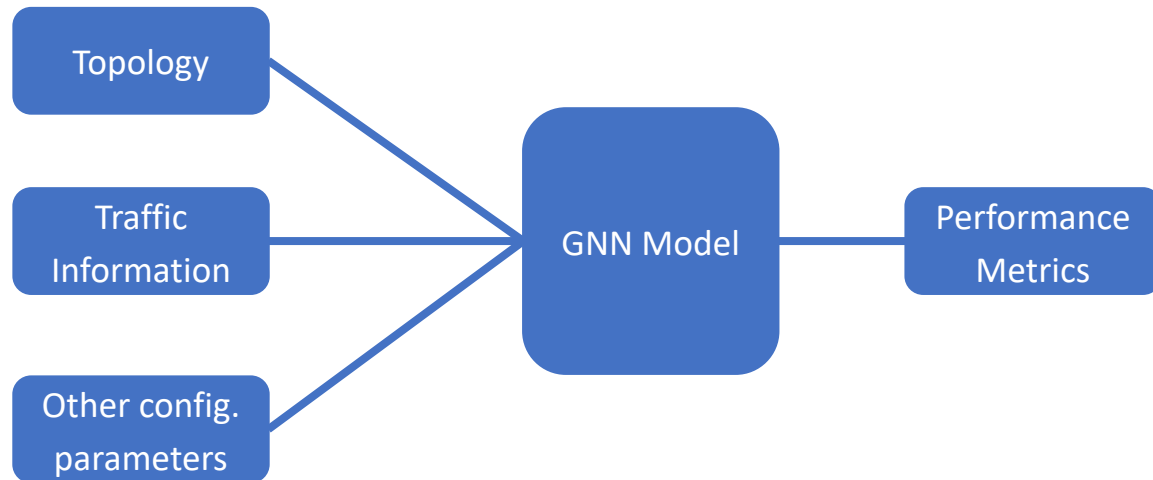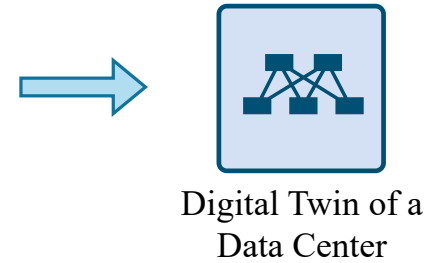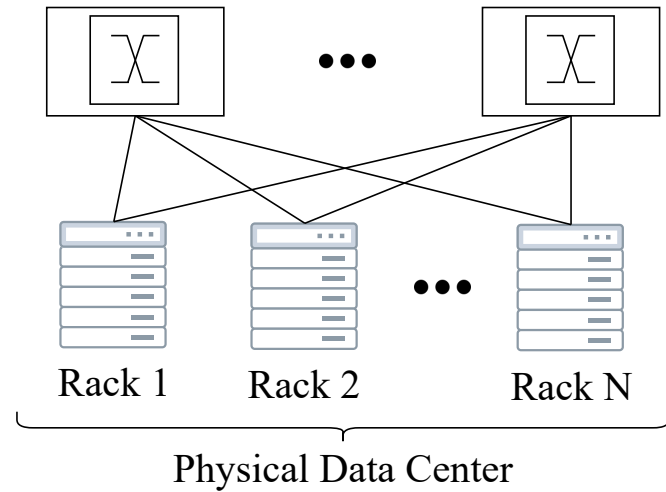## About Me

Kaan Aykurt

Second year PhD student in Chair of Communication Networks at TUM

Research Interests

- Network Performance Analysis
- Autonomous Network Management
- Machine Learning

Autonomous Network Management in Multi-Domain 6G Networks based on Graph Neural Networks

Digital Twin of a Data Center

Physical Data Center

Rack 1   Rack 2   Rack N

Topology

Traffic Information

Other config. parameters

GNN Model

Performance Metrics

Autonomous Network Manager (AI)

Create

Monitor

Apply

Physical System of Networks

DT$_1$

DT$_N$

Validate