

Group 2

	Name of student:	Preliminary project title
1	Jingyi Zhang	A Machine Learning-Powered Pipeline for Integrative Genomic Analysis and Risk Stratification in DLBCL
2	Eva-Marie Siegmund	Diffusion Network for Anomaly Detection in Medical Images
3	Hávar Sigurðarson	Enhancing National Cyber Threat Intelligence for Sweden Using AI-Based Technologies
4	Yamini Balanngari	Vulnerability Research of Mobile Applications Commonly Used in Sweden
5	Dong Hoon Kwak	Testbed for resilient scheduling of warehouses under conditions of disruption
6	Jin Yang	Are Adversarial Attacks an Overlooked Threat to Robotic Manipulation? A Case Study on Pick-and-Place
7	Jinyu Han	Adaptive online feedback optimization for power systems
8	Arka Pal	A Toolchain for Evaluating Physical Adversarial Attacks against Deep Neural Networks in Autonomous Driving Systems
9	Love Sandholm	Open-Source software in HVDC
10	Max Harrison	Bridging Theory and Practice: A Study of Random Hash Functions for Efficient Algorithms and Data Structures
11	Francesco Olivieri	Underwater rapid environmental assessment using UAVs
12	Perez Yeptho	Evaluating the Energy Efficiency of Sparse AI Models
13	Moritz Grüss & Ruxandra-Stefania Tudose	Communication-Efficient Federated Learning for Satellite Constellations
14	Vincent de Heij	Connected Vehicles as Distributed Observers for Traffic State Estimation (CONVERSE)
15	Ritvik Mahajan	Robust Collaborative SLAM using Kernel methods
16	Lorenzo De Bei	Predicting joint moments in different gait patterns using an LSTM network and wearable sensor data
17	Henrique Sambi	Enhancing Nuanced Experiential Qualities from Technology-initiated Touch
18	Hannah Johnson	Embodied Design Speculation Exoskeleton for Moving Bodies through Collective Dance Practice
19	Wilmer Liljenström	Methods for Optimizing Vehicle Energy Consumption
20	Marius Fauteux	Modernisation and Enhancement of Micro-CT Imaging Workflow for Improved Usability, Efficiency, and Research Accessibility
21	Oscar Backström	Physics-Informed Learning for Multi-Agent Systems
22	Georgios Mitsos	Nonlinear Control digital tools for improved learning experience
23	Lukas Zeipelt	Additive manufacturing for fabricating bioelectronic devices
24	Yonis Osman Bileh	Digital transformation in water utilities: A challenging journey to smart maintenance
25	Oskar Hokkanen Eriksson	Mixed Reality Micromobility Simulator
26	Natalia Sempere	Exploring Tongue Movement in XR for UI Control & Text Input
27	Mattias Bjerklov	Cryo-EM image formation model
28	Alberto Crivelli	Development of an Electron-Based Phase Plate for Improved High-Resolution TEM Imaging
29	Oskar Grönman	Controlled Concurrency Testing for Resilient, Scalable Distributed Systems
30	Shizheng Lin	Exploring Multi-Marginal Flow Matching for Probabilistic Forecasting of Time Series
31	Ke Yang	Digital Voice Personalization: Intrinsic Motivations and Practical Implications
32	Johan Slettengren	Synthetic Data Generation for Anomaly Detection
33	Wouter van Weerelt	Real-Time Optimization for the Power Grid