SOLUTION: Data

INDUSTRY: Healthcare

COUNTRY: Singapore

FATHOMX

DETECTING BREAST CANCER FASTER WITH AI

"We're now on the brink of a tectonic shift in how healthcare is going to be delivered and how women's health is going to be cared for."

– MIKAEL HARTMAN
CO-FOUNDER AND
CLINICAL LEAD, FATHOMX

Singapore-based FathomX aims to improve health outcomes for women by making breast cancer diagnosis faster and easier using artificial intelligence (AI). The medical imaging startup's target is to reduce false positives as well as false negatives for interval cancer cases in mammographic screening. It also aims to cut diagnosis times by 50%, potentially reducing women's anxiety and breast cancer deaths, and helping clinicians provide better and faster care.

OBJECTIVES

- Make detecting breast cancer faster and more accurate
- Reduce women's anxiety when getting mammographic screening
- Enable clinicians to provide better and faster care for women

REQUIREMENTS

- Develop an AI tool that can improve breast cancer diagnoses and deliver results faster
- Train deep learning algorithms using a secure production-level data infrastructure
- Gain the ability to read and interpret mammograms in real time through edge computing

SOLUTION

- HPE Edgeline EL1000 Converged Edge systems with NVIDIA® T4 GPUs
- HPE Apollo 6500 system with NVIDIA A100 GPUs

KEY PARTNERS

- HPE Asia Pacific Innovation Center

EXPECTED OUTCOMES

- Cut false positives as well as false negatives for interval cancer cases in mammographic screening
- Accelerate the process of reading mammograms by more than 10x, from half an hour to as little as 2 minutes
- Reduce patient anxiety and breast cancer mortality rate and improve women's quality of life

ADDITIONAL RESOURCES

- CASE STUDY

→ EXPLORE DIGITAL GAME CHANGERS

Hewlett Packard Enterprise

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