

# SPOTLIGHT ON MEDICAL TECHNOLOGY

A career with a future at  
a family-owned business

DÜRR DENTAL South East-Asia SDN BHD is a full sales subsidiary of the German Dürr Dental SE. As technology leader in its field of business, the Dürr Dental group with its more than 1.400 employees develops, produces and sells system solutions and services for the health sector with an annual business turnover of more than € 381 million with customers in 174 countries in 2025 all over the world.

## Lead/Senior AI/ML Engineer, R&D – Computer Vision (m/f/d)

In response to the growing trend of digitalization in the dental industry, we are expanding our software development presence in Malaysia. This strategic expansion aims to enhance our portfolio of AI based and cloud based software solutions for the dental market.

### Your Responsibilities:

- deliver complex machine learning pipelines across data preparation, model development, evaluation, deployment, and monitoring
- perform applied research on deep learning models for medical image segmentation, detection, and classification across imaging modalities (e.g. radiographs, CBCT, volumetric data)
- design rigorous evaluation frameworks by preparing clinically meaningful metrics and test sets
- collaborate with clinical and annotation teams on labeling strategy, inter-rater agreement, and active-learning rounds to improve dataset quality
- build and maintain model pipelines to ensure efficient data loading, reproducible training/evaluation, and versioned artifacts
- design and own the model serving layer that includes pre-processing, inference, post-processing, and composition
- instrument production models with monitoring for prediction quality, input drift, and data integrity to feed real-world failure cases back into the data and retraining pipeline
- uphold standards for experimentation and engineering best practices by conducting code, design, and experiment reviews and mentoring less-experienced engineers

### Requirements:

- proven experience in machine learning, computer vision, or a related engineering field
- strong proficiency in Python across the scientific and ML stack with the ability to write maintainable, production-grade code
- experience preparing imaging datasets for deep learning and curating well-defined train/test splits that prevent leakage
- ability to design and run modeling experiments — appropriate architectures and loss functions, controlled ablations, and sensible baselines — with sound interpretation of results
- strong understanding of evaluation methodology and applied statistics for model validation
- hands-on experience with CV libraries (e.g. OpenCV, albumentations) and modern ML frameworks (e.g. PyTorch, JAX, Tensorflow)
- familiarity with experiment tracking and reproducibility tooling (e.g. MLflow, Weights & Biases)
- excellent communication skills and cross-functional collaboration
- bachelor's or Master's degree in a STEM field, or equivalent practical experience
- nice to have: medical imaging, active learning, MLOps practices, or model serving frameworks

### Our Offer:

- opportunity to work with the latest technologies and tools
- creating a modern cloud-based AI solution
- international team environment
- competitive salary
- hybrid work week
- modern office environment

If you want to be part of a dynamic company that values and encourages its employees, please submit your full application with your salary expectation and earliest starting date online: [duerr-career.com](https://duerr-career.com)  
We look forward to hearing from you and learning more about your skills and ambitions.

[Apply Now](#)

DÜRR DENTAL South East-Asia SDN BHD  
Selangor, Malaysia

