We are looking for you to join our international team of successful Embedded AI in our
Chipglobe Greece MIKE Center **for 3 months**

Internship – Embedded AI (f/m/d)

Chipglobe is focusing on Embedded Systems Design, RTL Design, and Verification Consulting with both Insourcing (at Customer premises) and Outsourcing (Chipglobe Design Center) working models. Our teams work in a global setup with ASIC design, verification, and software teams in major semiconductor companies, focusing on markets in automotive, telecommunications, security, and networking. Chipglobe headquarters are located in Munich, Germany with a Chipglobe Entity in Singapore and Chipglobe Design Centers in Belgrade, Serbia, Ho Chi Minh City in Vietnam, Thessaloniki in Greece, and Sofia in Bulgaria. We are more than 120 experts with an experienced management team. Based on the huge experience of our staff we manage and execute projects in a well-communicated, success-proven, and sustainable way. We love what we do, and we do what we love.

We are offering you a practical and latest Industry Trend Knowledge build-up

✓ Paid Internship is offered to fresh graduates or final year students of Electronics in a stable, German Chip Design/Verification Company for Semiconductors, aligned in its business ethics and conduct with major tier 1 companies.
✓ Excellent, dynamic, and collaborative working environment, encouraging both technical and personal involvement
✓ Hands-on experience in the field of Embedded AI with a focus on cutting-edge technologies, including Edge Devices and Tiny ML.
✓ Stable and organized German working environment.
✓ The intern will have adequate mentorship from experienced AI engineers and developers from senior engineers of Chipglobe, which will guide the Intern during the internship. Good results and development of new skills ensured.
✓ The internship will last 3 months, and the job could be offered to a successful candidate. Opportunity to work on real-world projects with a significant impact.
✓ The internship will be held in our office in Thessaloniki.
✓ Come and work for us and have a great kick-start of a Successful Career in Semiconductors!

Key responsibilities:

✓ AI System Development: Collaborate and grow with ChipGlobes international AI Team to utilize, develop, and optimize machine learning models using platforms like Edge Impulse or Reality AI, specifically tailored for deployment on edge devices.
✓ Edge Device Integration: Assist in integrate AI models into edge devices, such as microcontrollers development boards or IoT devices on product level, optimizing these for performance and considering their resource constraints.
✓ Tiny ML Implementation: Work on Tiny ML solutions, ensuring that AI models are optimized for small and power-constrained devices.
✓ Data Preparation: Collect, preprocess, and curate datasets to train and test AI systems, ensuring data quality and relevance.
✓ Testing and Validation: Conduct thorough testing and validation of embedded AI solutions on edge devices to ensure accuracy and reliability.
✓ Documentation: Create documentation for AI-assisted devices, integration processes, and best practices on public platforms like hackster.io or instructables.com, with a specific focus on edge devices with sensors.

✓ Research and Innovation: Stay up-to-date with the latest advancements in Embedded AI, Edge Impulse, Reality AI, Edge Devices, and Tiny ML technologies, share your findings with the team, and propose innovative devices for growing our portfolio.

Job requirements – Technical Skills

✓ Currently pursuing a Bachelor's or Master's degree in Computer Science, Electrical Engineering, or a related field.
✓ Strong programming skills in languages such as Python and C/C++.
✓ Familiarity with machine learning frameworks, especially Edge Impulse, Reality AI, and Tiny ML frameworks.

Chipglobe GmbH, Cincinnatistr. 60, 81549 München. Gerichtsstand München, HRB 209 414, Geschäftsführung Volker Frisch
Umsatzsteuer-Identifikationsnummer gemäß §27 a Umsatzsteuergesetz: DE293062415   - 15.02.2022

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- ✓ Understanding of embedded systems and microcontroller programming.
- ✓ Excellent problem-solving and analytical skills.
- ✓ Strong communication and teamwork skills.
- ✓ Self-motivated and eager to learn.

Job requirements – Soft Skills

- ✓ **Communication**
  - Able to abstract technical details
  - Good communication skills, enjoys working in an international team with some communication to Munich headquarters and EDA vendors
  - Good level of spoken and written English – must be able to understand and create technical documentation
- ✓ **Team player**
  - Committed to the team and task
  - Helping team members, sharing knowledge
- ✓ **Self-driven and highly motivated**
  - Self-motivated, Embracing the task
  - Highlight potential issues, Organized working style
- ✓ **Solution-oriented attitude, pragmatic. Good problem-solving skills**
  - Following and improving processes

If you are interested in this internship, please send your CV and the reason why you would like to apply for this internship to:
internship@chipglobe.com

Please include "Embedded AI Intern Application" in the subject line.