![Fraunhofer IIS]

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We´ll show you how at Fraunhofer **IIS**.

Researcher –
Machine Learning for Embedded Systems

Artificial Intelligence (AI) reaches smaller and smaller devices down to microcontrollers. Even more demanding applications such as computer vision and speech processing are now possible on very small systems. For this reason AI becomes present in numerous areas such as sustainable agriculture, autonomous mobility, smart home, mobile communications and also in industrial automation.

Are you interested in AI and embedded systems and you like to be involved in the research and development of innovative future technologies?

Then have a look at our position!

In our group **»Machine Learning & Validation«** we combine interdisciplinary expertise in the advanced topics of AI considering demanding constraints such as resource requirements, latency and energy restrictions for the realization of embedded AI applications.

What you will do
- Research and implementation of AI applications on embedded systems
- Collaboration in cooperation projects with industry and research partners
- Management of project work and/or supervision of students
- Design of training material and exercises in the area of Edge AI / TinyML
- Presentation of research results through scientific publications, through lectures and presence in the context of generally understandable public relations activities (e.g. at trade fairs)

What you bring to the table
- **University degree** in computer science, electrical engineering, mechatronics, or in an equivalent engineering or scientific field
- Good knowledge **in the area of Machine Learning** and **Deep Learning**
- Extensive experience with **embedded systems** for example ARM Cortex M
- Secure handling of **Python and C/C+**
- Excellent English skills

What you can expect
Fraunhofer is not only the largest organization for applied research in Europe, but also a top-rated employer. But why?

- **An exciting role:** Attractive working environment at a global market leader of a major innovative industry
- Projects with a strong **practical component** motivate our employees to drive innovation.
- Our committed teams offer freedom for your own ideas and room for creativity.
- We value personal contact: Through our **structured onboarding** process, you easily become familiar with our institute and are able to extend your network successfully.
- We take your needs seriously: We support your **work-life-balance** by offering flexible working hours and hybrid work.
- Your goals and interests are important to us: We offer ongoing **professional** and **personal seminars, coaching** as well as **language courses**.

The position is initially limited to 2 years with the aim to extend it subsequently. The weekly working time is 39 hours. The position can also be filled on a **part-time** basis with a preference, however, to have it filled as close to a full-time position as possible.

We value and promote the diversity of our employees' skills and therefore welcome all applications - regardless of age, gender, nationality, ethnic and social origin, religion, ideology, disability, sexual orientation and identity. Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD).

With its focus on developing key technologies that are vital for the future and enabling the commercial utilization of this work by business and industry, Fraunhofer plays a central role in the innovation process. As a pioneer and catalyst for groundbreaking developments and scientific excellence, Fraunhofer helps shape society now and in the future.

Interested?

Apply online now. Please include a cover letter, your CV and your latest transcripts of records (as PDF). We look forward to getting to know you!

Important: Please do not forget to click on the »Apply« button after »Save«. Otherwise, your application will not reach us.

Fraunhofer Institute for Integrated Circuits IIS

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