Appendix: Recommended courses, materials, tools, and community links for AI Innovation Track (English version)

1. Previous competition entries (reference)

6th Huawei ICT Competition: <https://e-campaign.huawei.com/cn/rcfz/ICT2022/innovation.html>

7th Huawei ICT Competition: [Huawei Talent](https://talent.shixizhi.huawei.com/course/1365189427395223554/application-view?courseId=1698633672260440065&classId=&appType=6&status=unpublished&sxz-lang=zh_CN)

2. AI

Artificial intelligence general course:

https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=J9J6Iv4EL3dNzAaE6gOe5s2KZfg

<https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=V82QbsvCO2VpAQbM-FSF-UnIxJg>

<https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=AORka7Mazk65UmQ2oldB8UtTKFc>

<https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=8ul1LwIv_c9IteND3aJ-XWzpVi8>

<https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=K3YHocMHGTZRaskNvHnKNy_ZUA8>

https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=uDfdH9grMP1s3oESbC3\_4qr9l2o

MindSpore (including the Tutorials and Community): [MindSpore](https://www.mindspore.cn/en)

MindSpore Gitee: https://gitee.com/mindspore/mindspore

Huawei Certification Roadmap (HCIA-AI/HCIP-AI-MindSpore Developer/HCIP-AI-EI Developer): https://e.huawei.com/en/talent/#/cert/roadmap?itemCode=TECH\_CLD\_AI&parentCode=PSC

Industry Application Cases of Huawei Ascend Computing: https://e.huawei.com/en/products/computing/ascend

ModelArts: https://www.huaweicloud.com/intl/en-us/product/modelarts.html

ModelArts Help: https://support.huaweicloud.com/intl/en-us/modelarts/index.html

HUAWEI CLOUD Developers: <https://developer.huaweicloud.com/intl/en-us/forum/>

9. HCIP-AI-EI Developer：[Huawei Certification-Huawei Talent](https://e.huawei.com/en/talent/%22%20%5Cl%20%22/cert/product-details?certifiedProductId=275&authenticationLevel=CTYPE_CARE_HCIP&technicalField=BSH&version=2.0)

3. IoT

IoT courses: https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=eoef26vv9jnhq\_c7sCbAehCohy0

Certification course: https://e.huawei.com/en/talent/#/cert/product-details?certifiedProductId=675&authenticationLevel=CTYPE\_CARE\_HCIA&technicalField=PSC&version=3.0

Certification course： https://e.huawei.com/en/talent/#/cert/product-details?certifiedProductId=359&authenticationLevel=CTYPE\_CARE\_HCIP&technicalField=PSC&version=2.5

Developer community: https://developer.huaweicloud.com/intl/en-us/forum/

4. Harmony:

Harmony general and professional courses: <https://e.huawei.com/en/talent/outPage/#/sxz-course/home?courseId=YXNI1o55Yo0h3afUzbruz871DA0>

https://e.huawei.com/en/talent/ict-academy/#/ict-courses-detail?courseId=Qk7D7gm1ObGh8w4w7uMR71NJMhw

OpenHarmony: https://www.openharmony.cn/mainPlay

Help document: [OpenAtom OpenHarmony](https://docs.openharmony.cn/pages/v3.1/en/OpenHarmony-Overview.md/)

OpenHarmony Gitee: https://openharmony.gitee.com/openharmony

Developer forum: https://forums.developer.huawei.com/forumPortal/en/home

HCIA-HarmonyOS Device Developer: https://e.huawei.com/en/talent/#/cert/product-details?certifiedProductId=483&authenticationLevel=CTYPE\_CARE\_HCIA&technicalField=PSC&version=1.0

HCIP-HarmonyOS Device Developer: https://e.huawei.com/en/talent/#/cert/product-details?certifiedProductId=609&authenticationLevel=CTYPE\_CARE\_HCIP&technicalField=PSC&version=1.0

Development tool: DevEco Studio (including the simulator): https://developer.harmonyos.com/cn/develop/deveco-studio#download

Development tool document: [Document (harmonyos.com)](https://device.harmonyos.com/en/docs/documentation/guide/service_introduction-0000001050166905)

(Optional) Hardware: development boards that support OpenHarmony: <https://gitee.com/openharmony>.

5. General and professional courses of other domains (such as cloud computing and big data)

Chinese: <https://e.huawei.com/cn/talent/ict-academy/#/ict-courses-list>

English: <https://e.huawei.com/en/talent/ict-academy/#/ict-courses-list>