

广西师范大学“人工智能技术与应用实践”2025 年中国政府奖学金国际暑期学校项目招生简章

Admission Guide of Guangxi Normal University "Artificial Intelligence Technology and Application Practice" 2025 Chinese Government Scholarship International Summer School Program

一、学校简介 Introduction To Guangxi Normal University

广西师范大学地处世界级旅游城市、国家历史文化名城桂林，具备人工智能领域“本硕博”高等教育人才培养体系。软件工程一级学科博士点入选广西一流学科，在2024年软科中国最好学科排名第22名，进入全国前15%；计算机科学进入U.S. News世界大学学科排名榜单并且进入ESI全球前1%学科。学校拥有一支优秀的人工智能师资队伍，包括国家级重大人才计划入选者2人，全球前2%顶尖科学家6人，博士生导师30多名和省部级人才40多人次，有海外学习或工作经历的博士教师10多名。

Guangxi Normal University is located in Guilin, a world-class tourist city and a nationally renowned historical and cultural city. The university has established a comprehensive "Bachelor's-Master's-PhD" higher education talent cultivation system in the field of artificial intelligence. Its first-level doctoral program in Software Engineering has been selected as a Guangxi First-Class Discipline and ranked 22nd in the 2024 Soft China Best Disciplines Ranking, placing it within the top 15% nationally. Additionally, Computer Science has been listed in the U.S. News World University Subject Rankings and recognized as an ESI global top 1% discipline. The university boasts an outstanding faculty team in artificial intelligence, including 2 recipients of national high-level talent programs, 6 scientists ranked among the world's top 2%, over 30 doctoral supervisors, and more than 40 provincial and ministerial-level talents. Furthermore, more than 10 faculty members with doctoral degrees have overseas study or work experience.

二、开营时间 Opening Time

2025年6月28日-7月11日

June 28th to July 11th, 2025

三、项目特色 Program Features

项目将邀请人工智能领域的知名专家学者进行授课，内容涵盖人工智能的基础理论、前沿技术、应用场景等多个方面，具体包括机器学习、深度学习、计算机视觉、情感计算、自然语言处理、大模型技术等多个热门方向。此外，项目还将设置丰富的实践和交流环节，促进全球青年学生的交流与合作，让学员们在实践中深化理论知识，提升解决实际问题的能力。通过实施该项目，学员们将掌握人工智能的理论、技术和应用，促进学员之间的思想碰撞与合作，拓宽国际视野，提升跨文化交流能力，共同推动人工智能领域的创新发展。

The program will invite renowned experts and scholars in the field of AI to deliver lectures covering fundamental theories, cutting-edge technologies, and application scenarios of artificial intelligence. Specific topics will include machine learning, deep

learning, computer vision, affective computing, natural language processing, large-scale model technology, and other trending directions. Additionally, the program will feature diverse hands-on practice and interactive sessions to foster global collaboration and exchange among young students. Participants will deepen their theoretical knowledge and enhance their problem-solving skills through practical activities. By engaging in this program, students will gain a solid understanding of AI theories, technologies, and applications, while also stimulating intellectual discussions, strengthening cross-cultural communication skills, and broadening international perspectives. Together, they will contribute to the innovative development of the AI field.

四、日程安排 Time Table

| 天 | 时间 | 活动 | 备注 |
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| 6 月 28 日 星期六 June 28 Saturday | 上午 Morning | 飞机入境桂林 Flight arrival in Guilin | |
| | 下午 Afternoon | 入住广西师大国教中心酒店 Check-in at Guangxi Normal University(GXNU) International Education Center Hotel | |
| 6 月 29 日 星期天 June 29 Sunday | 上午 Morning | 第一课：开营仪式 介绍项目背景、目标、师资及日程安排 破冰活动，学生相互认识，组建项目小组 Session 1: Opening Ceremony Introduction to the program background, objectives, faculty, and schedule Ice-breaking activities for students to get acquainted, followed by group formation | |
| | 下午 Afternoon | 参观广西师大育才校区、教育部重点实验室、越南纪念馆 Campus tour: GXNU Yucai Campus, Key Laboratory of Education Ministry, Vietnam Memorial Hall | |
| 6 月 30 日 星期一 June 30 Monday | 上午 Morning | 第二课：人工智能基础讲座 介绍人工智能概念、发展历程、主要技术和应用领域 Session 2: Fundamental Lecture on Artificial Intelligence Introduction to AI concepts, historical development, key technologies, and application fields | |
| | 下午 Afternoon | 校区文化考察： 广西师范大学王城校区（5A 级景区），感受桂林历史文化。 Cultural Exploration: GXNU Wangcheng Campus (5A Scenic Spot), Experience Guilin's historical culture | |
| 7 月 1 日 星期二 July 1 Tuesday | 上午 Morning | 第三课：AI 实训任务启动会 探讨机器学习在实际项目中的应用，分析案例中的问题解决思路和技术选型，各小组展示项目的初步构想，明确项目目标与实施计划 Session 3: The kick-off meeting for AI practical training tasks Explore the practical applications of machine learning in | |

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| | | real-world projects, analyze case studies to dissect problem-solving strategies and technical selections, with each group presenting initial project concepts to define clear objectives and actionable implementation plans. | |
| | 下午 Afternoon | 参观广西师范大学雁山校区、桂学博物馆、生物多样性博物馆 Visit to GXNU Yanshan Campus, Guilin Culture Museum, Biodiversity Museum | |
| 7月2日 星期三 July 2 Wednesday | 上午 Morning | 第四课：机器学习算法与实践 在教师指导下，学生使用 Python 和相关库实现简单的机器学习算法，如线性回归、决策树 Session 4: Machine Learning Algorithm Practice Hands-on session using Python and relevant libraries to implement basic machine learning algorithms, such as linear regression and decision trees | |
| | 下午 Afternoon | Citywalk：智慧旅游景区参观：象鼻山、两江四湖景区 Citywalk: Visit smart tourist attractions: Elephant Trunk Hill, Two Rivers and Four Lakes Scenic Area | |
| 7月3日 星期四 July 3 Thursday | 上午 Morning | 第五课：深度学习入门讲座 讲解神经网络结构、深度学习框架（如 TensorFlow 或 PyTorch）的使用 Session 5: Introduction to Deep Learning Introduction to neural network structures and deep learning frameworks such as TensorFlow or PyTorch | |
| | 下午 Afternoon | 深度学习实践： 在教师指导下，学生使用深度学习框架进行图像识别或自然语言处理的实践，体验深度学习模型的训练和调优过程 继续进行人工智能项目实践：各小组在导师指导下，开展人工智能项目设计、开发、测试和优化工作 Deep Learning Practice: Guided by instructors, students engage in hands-on practice of image recognition or natural language processing using deep learning frameworks (e.g., TensorFlow/PyTorch), gaining firsthand experience in training and fine-tuning deep learning models. Continued AI project development: Under the mentorship of advisors, student groups advance through the full lifecycle of AI projects—designing, developing, testing, and optimizing their solutions. | |
| 7月4日 星期五 July 4 Friday | 上午 Morning | 第6课 计算机视觉 介绍计算机视觉的基本概念、原理及其在图像识别、物体检测等领域的应用 Session 6: Computer Vision Introduce the fundamental concepts and principles of computer vision, along with its practical applications in fields such as image recognition and object detection. | |

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| | 下午 Afternoon | 计算机视觉实践： 在计算机实验室，学生在教师指导下，使用 OpenCV 或其他计算机视觉库，进行图像处理和识别的实践操作，如人脸识别、车牌识别等。 继续完善各小组人工智能项目 Computer Vision Practice: In the computer lab, students conduct hands-on image processing and recognition tasks—such as facial recognition and license plate detection—using OpenCV or other computer vision libraries under the guidance of instructors. Meanwhile, student groups continue refining their AI projects through iterative design, development, and optimization phases. | |
| 7 月 5 日 星期六 July 5 Saturday | 上午 Morning | 来华留学生实践基地体验： 阳朔福利镇道山村，乡村振兴示范点、体验非遗文化 International Student Base Visit: Daoshan Village, Yangshuo, Rural revitalization demonstration, experience intangible cultural heritage | |
| | 下午 Afternoon | 参观世界自然遗产： 漓江精华段阳朔兴坪 World Natural Heritage Tour: Li River (Yangshuo Xingping Section) | |
| 7 月 6 日 星期天 July 6 Sunday | 上午 Morning | 第 7 课 自然语言处理 介绍自然语言处理的主要任务、技术和应用，如文本分类、机器翻译、智能问答 Session 7: Natural Language Processing (NLP) Introduce the key tasks, techniques, and applications of Natural Language Processing (NLP), including text classification, machine translation, and intelligent question answering systems. | |
| | 下午 Afternoon | 自然语言处理实践： 使用工具包进行文本预处理、词向量表示和文本分类模型训练 进一步完善各小组人工智能项目 NLP Practice: Utilize NLP toolkits to perform text preprocessing, generate word embeddings, and train text classification models. Meanwhile, student groups further refine their AI projects. | |
| 7 月 7 日 星期一 July 7 Monday | 上午 Morning | 参观本地人工智能企业： 了解企业在人工智能产品研发、应用场景落地等方面的实际运作，与企业技术人员交流； 学生分享参观收获，讨论企业实践与课堂知识的联系和差异； Visit to Local AI Enterprises: Gain practical insights into enterprise-level AI product development and real-world application deployment through direct collaboration with technical teams. | |

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| | | Students share reflections from their site visits and engage in discussions to analyze the synergies and gaps between industry practices and classroom-acquired knowledge. | |
| | 下午 Afternoon | 自由活动 Free activities | |
| 7月8日 星期二 July 8 Tuesday | 上午 Morning | 第8课 大语言模型讲座： 介绍大语言模型的基本原理、训练方法和应用场景，如 ChatGPT、BERT 等模型在文本生成、理解和对话系统中的应用。 Session 8: Large Language Models (LLMs) Introduce the core principles, training methodologies, and practical applications of large language models (LLMs), with examples such as ChatGPT and BERT in text generation, comprehension, and conversational AI systems. | |
| | 下午 Afternoon | 大模型实践体验： 在教师指导下，学生尝试调用大语言模型接口，进行文本生成、问答对话等实践操作，体验大语言模型在自然语言处理领域的强大能力。 各小组继续推进人工智能项目的开发工作，进行最后的冲刺和完善。 LLM Hands-on Experience: Guided by instructors, students experiment with large language model APIs to perform tasks such as text generation and question-answering dialogues, gaining hands-on experience in the powerful capabilities of LLMs (Large Language Models) within the field of natural language processing (NLP). Meanwhile, all groups continue advancing their AI project development, entering the final sprint phase to refine and optimize their solutions. | |
| 7月9日 星期三 July 9 Wednesday | 上午 Morning | 第9课 人工智能伦理与安全讲座： 探讨人工智能发展带来的伦理问题、安全隐患及应对策略 分组讨论，形成观点并进行讨论与交流，教师总结关键点 Session 9: AI Ethics and Security Investigate the ethical challenges and security risks stemming from AI development, coupled with actionable mitigation strategies. Through structured group discussions, participants will generate and critically debate perspectives, culminating in facilitators synthesizing pivotal insights. | |
| | 下午 Afternoon | 项目整合实践： 继续进行各小组人工智能项目的完善和优化工作，准备项目展示和答辩。 | |

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| | | Project Integration: All groups will continue refining and optimizing their AI projects while preparing deliverables for final presentations and project defense evaluations. | |
| 7月10日 星期四 July 10 Thursday | 上午 Morning | 项目成果展示与答辩: 各小组展示最终的人工智能项目成果，进行答辩，由教师 and 专家组成评审团进行打分和评价 Project Presentation and Defense: Each team will present their final AI project outcomes and defend their work before a panel of faculty and industry experts for comprehensive evaluation and scoring. | |
| | 下午 Afternoon | 闭营仪式（学习成果展示） 总结项目收获，颁发结业证书，合影留念 Closing Ceremony: Conclude with a review of program achievements, present Certificates of Completion, and commemorate the experience with a group photo session. | |
| 7月11日 星期五 July 11 Friday | 全天 All Day | 离境，飞机 Departure from Guilin | |

五、报名要求 Application Requirements

1. 学生来自一带一路沿线国家，泰国、印尼、越南、韩国等。

The participating students come from ASEAN countries including Vietnam, Thailand, Indonesia and others.

2. 在读研究生，或者已经毕业的研究生。

Open to current undergraduate students or graduates.

六、经费安排 Funding

学生承担国际旅费（抵达桂林）。广西师范大学承担在桂林期间的住宿费（统一安排）、学费、保险费。

The students are responsible for their international travel expenses (to Guilin). Guangxi Normal University will cover the costs of accommodation and meals in Guilin (uniformly arranged), as well as tuition and insurance fees.

七、报名 Application

填写报名表。2025年6月10日前发送至邮箱 admissn@gxnu.edu.cn。

Fill out the registration form. Send to email before June 10, 2025 admissn@gxnu.edu.cn