Certainly! [In a nutshell, a **relay** is a simple **electromechanical switch** that uses an electromagnet to open or close an electrical circuit1](https://electrical-technology.com/what-is-relay-and-working-of-relay.html). It acts as a bridge between two circuits, allowing an electrical signal to control the switching action.

Here are **five free resources** where you can learn more about relays and related topics:

1. **AI Singapore Student Outreach Programme**: This program promotes AI literacy and proficiency among students, including practical experience in AI projects. [It offers industry-recognized certificates and even an internship opportunity with AI engineers](https://electrical-technology.com/what-is-relay-and-working-of-relay.html)[2](https://www.tech.gov.sg/media/technews/new-year-new-tech-skills).
2. [**SkillsFuture@NS Learning eXperience Platform**: Designed for national servicemen (NSFs), this platform provides free access to over 75,000 online courses, including Python programming, machine learning, and more](https://electrical-technology.com/what-is-relay-and-working-of-relay.html)[2](https://www.tech.gov.sg/media/technews/new-year-new-tech-skills).





1. **Coursera**: Coursera offers numerous free courses, some from renowned universities. [Topics include machine learning, game theory, and COVID-19 contact tracing](https://electrical-technology.com/what-is-relay-and-working-of-relay.html)[2](https://www.tech.gov.sg/media/technews/new-year-new-tech-skills).





1. [**General Assembly**: Explore General Assembly’s free resources on tech skills, including coding, data science, and UX design](https://electrical-technology.com/what-is-relay-and-working-of-relay.html)[3](https://www.cio.com/article/221812/8-free-online-course-sites-for-growing-your-tech-skills.html).





1. **MIT OpenCourseWare**: MIT provides free access to course materials, including lectures, assignments, and readings. [Explore their computer science and engineering courses](https://electrical-technology.com/what-is-relay-and-working-of-relay.html)[4](https://qat.com/free-online-learning-resources-technology/).

Happy learning! 🌟🚀