

**Demystifying networking**  
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**Lecture - 89**  
**Troubleshooting Physical and Data Link Layers**

Now, let us start from physical layer and see what troubleshooting means in physical and data link layer.

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The slide features a blue header with the title "Troubleshooting (Physical + Data Link)" and a network diagram icon. Below the header, a bulleted list provides troubleshooting steps. A video inset shows a woman speaking. The footer contains the text "Demystifying Networking | CS75".

- Physical + Data Link
  - Basic checks - Check wires, switches are on, cable handling devices like toner-tracer, splicers etc.
  - Indicators for the same on your devices - Connection enabled/ lights on in a modem

Physical layer constitutes of all the tangible things that you can see like switches, LED lights connectors etcetera. And you have to do some basic checks like the switches are turned on, connectors are connected in right places etcetera. There are some devices like toner tracers, LAN connectors, connection checkers and multiplexers available, which you can use to see if the connections are working correctly or not.