

FLOW CHART OF C PROJECT



Vins PacSniff

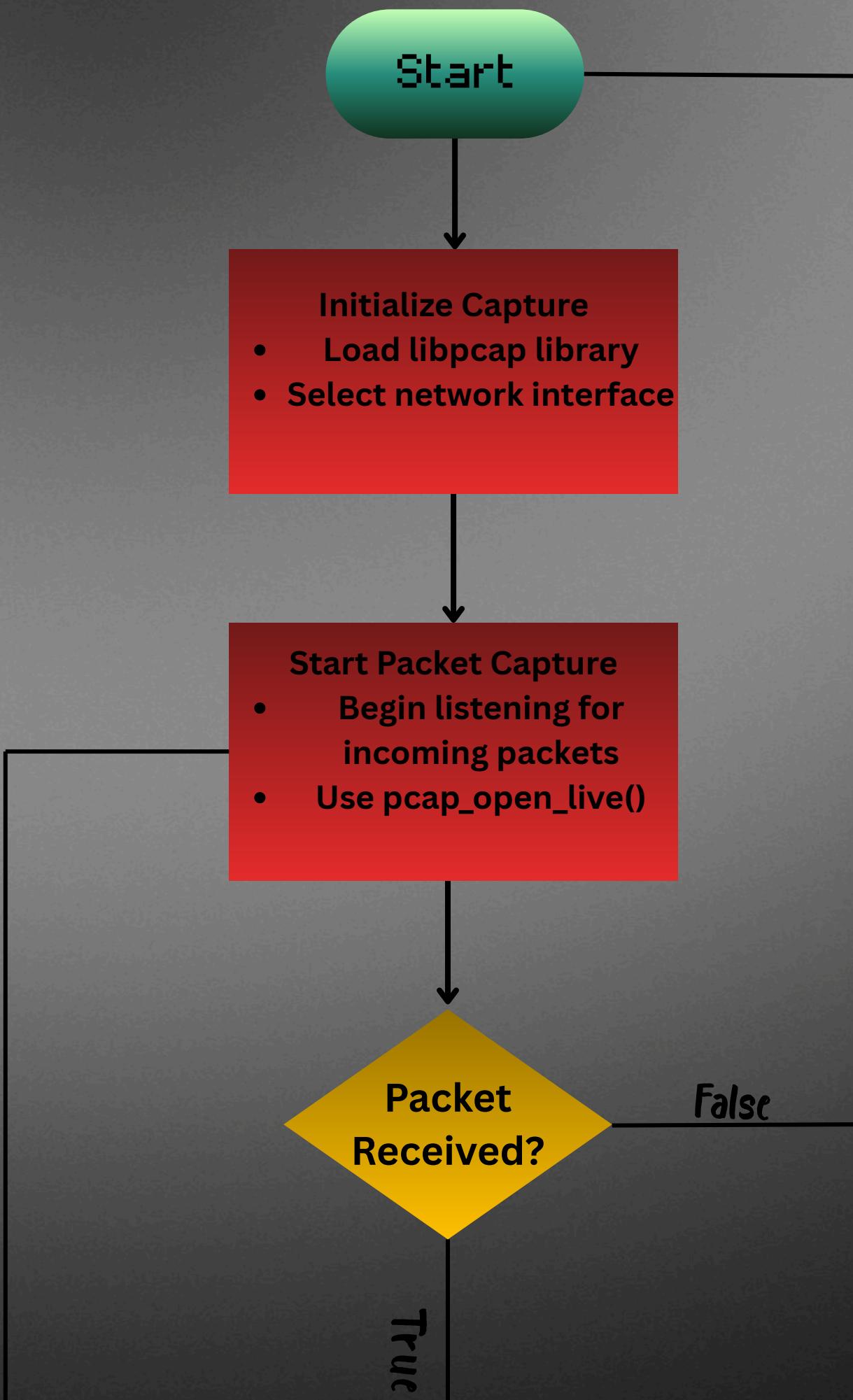
Class: B.Tech – CSE (1st Year) BATCH 9

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Flow Chart



Analyze Packet

- Extract header + payload
- Identify protocol (TCP/UDP/IP)
- Store in structures / arrays

Filter Packets

- Apply filters (e.g. TCP only)
- Use conditions / switch
- Count categorized packets

Generate GUI Output

- Save live packet info to a temporary file (e.g. packets.csv)
- GUI tool(Grafana) automatically reads this file

Display GUI Output

- GUI shows real-time traffic visualization
 - Normal traffic → Green line
 - High traffic → Red spikes
- Graph updates continuously while file changes

False

Save Data to Log File

- Open permanent log file using `fopen()`
- Write packet details (IP, size, time, speed)
- Close file after writing

Stop
Capture?

True

End Capture

- Close interface using `pcap_close()`
- Print “Capture Complete” message

Stop