

Error Handling Basics

Part 2 Wrap-up: Robust LLM Applications

⚠ Common Error Types

- API Errors:** Invalid API key, rate limits, quota exceeded
- Connection Errors:** Network issues, timeout errors
- Input Errors:** Invalid model names, malformed requests
- Response Errors:** Empty responses, JSON parsing failures

🔧 Debugging Techniques

- ✓ Enable verbose logging ('litellm.set_verbose=True')
- ✓ Check provider API status pages
- ✓ Validate input parameters before the call
- ✓ Isolate and test with minimal examples

```
try:
    response = litellm.completion(
        model="gpt-3.5-turbo",
        messages=messages,
        max_tokens=150
    )
    return response.choices[0].message.content
except litellm.exceptions.RateLimitError as e:
    print(f"Rate limit exceeded: {e}")
    return "Please try again later"
except litellm.exceptions.AuthenticationError as e:
    print(f"Authentication failed: {e}")
    return "Check your API key"
except Exception as e:
    print(f"Unexpected error: {e}")
    return "Something went wrong"
```

🕒 15-20 minutes | 📄 Lab Step 10/17 | 🔧 Debugging Skills