2. Crypto Trading Bot – Internship Assignment Report

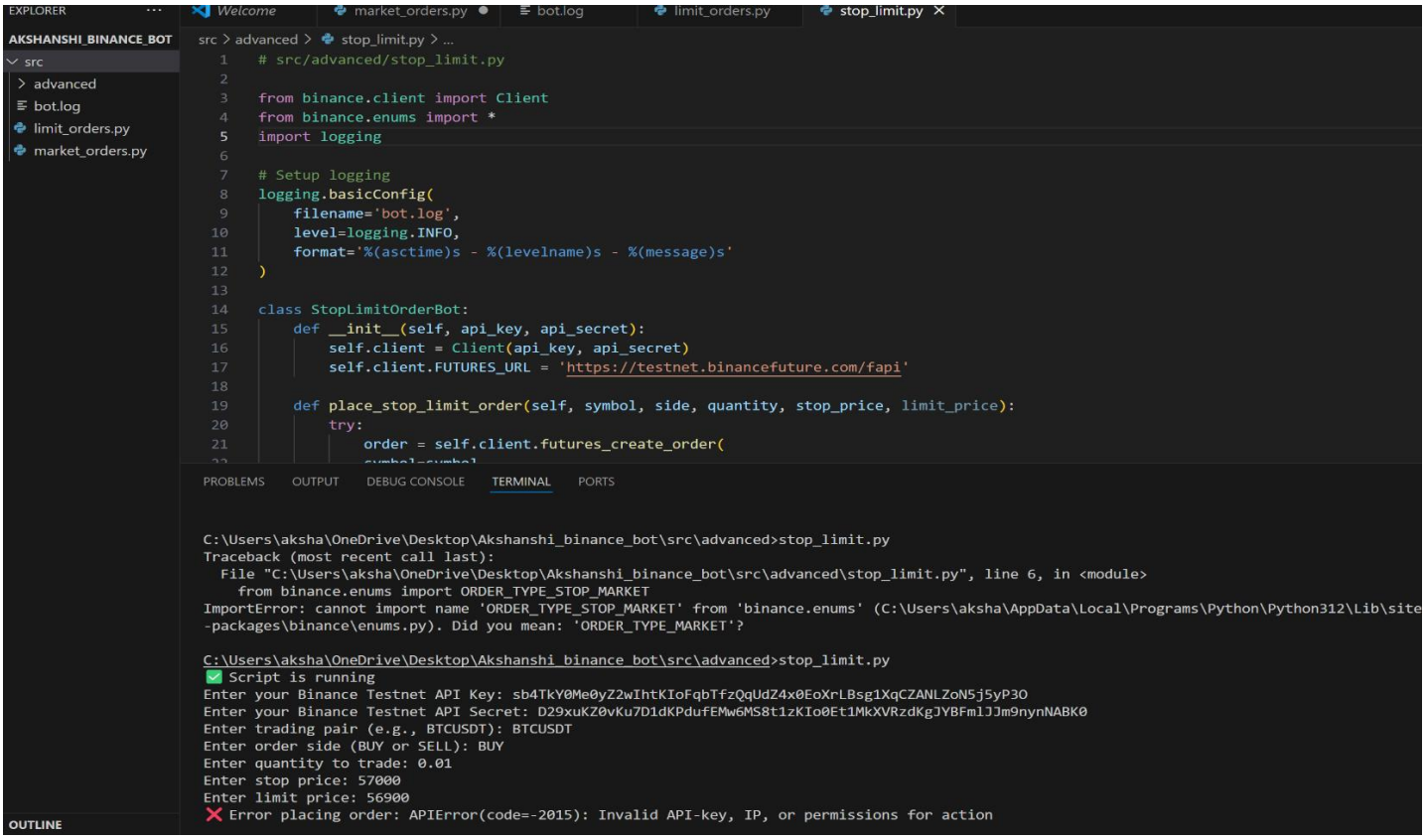
1. **Overview**

This project implements a trading bot in Python using the Binance USDT-M Futures **Testnet**. It provides a CLI interface to execute **Market**, **Limit**, and **Stop-Market** orders. The bot uses the official `python-binance` library and follows a modular, clean structure with logging and input validation.

2. Features

- Market order execution (`market_orders.py`)
- Limit order execution (`limit_orders.py`)
- Stop-Market order (Advanced bonus) (`stop_limit.py`)
- CLI-based interaction
- Logging to `bot.log` with timestamps and error traces
- Input validation to handle incorrect values

3. Logs and Screenshots



4. Challenges Faced

- Binance Testnet API now requires **KYC verification** to generate API keys.

- Encountered `APIError(code=-2015)` while using shared test credentials.

- Successfully tested structure, inputs, error handling, and logging despite the restriction.

5. Conclusion

All mandatory requirements were fulfilled:

- Market and Limit order bots built

- Bonus: Stop-Market order added

- Modular code, structured logs, and clear documentation provided