Aurum Project Progress — Today

✔■ Completed Tasks

• Configured GMKtec mini PC as the primary Aurum node.
• Installed Python, Git, and required development tools.
• Activated the Python virtual environment on the mini PC.
• Pulled the latest project code from GitHub onto the mini PC.
• Fixed Git pull conflicts by removing aurum.db from version tracking.
• Verified FastAPI server operation using Uvicorn on the mini PC.
• Tested local endpoints through Swagger UI (/docs).
• Updated /coach logic to correctly use mood and action streaks.
• Debugged typos preventing correct mood retrieval.
• Added /history, /summary, and /streak endpoints to extend functionality.

■ Upcoming Tasks

• Implement /infer/mood to convert text into mood/energy/focus using AI.
• Add /status endpoint for device health checks.
• Create an automated aurum.db backup routine.
• Develop first UI prototype for daily interaction.
• Add device registration endpoint for future hardware.
• Implement authentication for secure device-server communication.
• Begin integrating speech or text embeddings for mood inference.
• Experiment with running local small models on the mini PC.

■■ Long-Term Goals

• Develop wireless hardware device + robot companion for daily check-ins.
• Integrate voice-based emotion detection and on-device neural inference.
• Deploy a multi-node cluster managed locally for multiple families/homes.
• Build habit, mood, and emotional trend dashboard.
• Fine-tune or train custom LLM for personalized discipline coaching.
• Achieve fully autonomous emotional discipline assistant behavior.

Document represents current progress — updated daily as development evolves.