

How to Create an AI Chatbot on Telegram (Beginner's Guide) — Checklist

Step 1: Set Up Your Telegram Bot

- Create a new bot with @BotFather
- Save your Bot API token securely

Step 2: Choose Your Programming Language & Framework

- Recommended: Python (with python-telegram-bot), Node.js, or Go
- Use frameworks like Botpress or Rasa if preferred

Step 3: Connect to AI APIs

- Sign up for OpenAI API (e.g., GPT-4) or alternatives like Claude
- Get API keys and understand usage limits

Step 4: Implement Conversational Logic

- Design conversation flows and personality prompts
- Add memory to store user data/context (e.g., Redis or Firebase)

Step 5: Add Multimedia Features (Optional)

- Integrate voice synthesis APIs (ElevenLabs, Google TTS)
- Use image generation APIs (Stable Diffusion, Midjourney)

Step 6: Testing and Deployment

- Test your bot on Telegram extensively
- Deploy backend on cloud platforms (Heroku, Railway, VPS)

Step 7: Security and Privacy

- Avoid storing sensitive info unless necessary
- Implement proper user data handling and privacy policies

Step 8: Monetization (Optional)

- Consider subscriptions, token systems, or premium features