

Alaiy Computer Scientist Skill Test

Objective:

Build a cool MCP server - to send messages/ write code/ design on figma/ make phone calls
+ write a full workflow that humans do that can be automated using the MCP server

Ex: lookup restaurants and order food

Requirements

Have a look at these links

<https://www.anthropic.com/news/model-context-protocol>

<https://docs.anthropic.com/en/docs/agents-and-tools/mcp>

<https://x.com/elevenlabsio/status/1909300784837144699>

<https://elevenlabs.io/blog/introducing-elevenlabs-mcp>

https://www.linkedin.com/posts/luke-harries_the-whatsapp-mcp-server-can-now-send-and-ugcPost-7315069798588055553-L3gg/?utm_source=share&utm_medium=member_desktop&rcm=ACoAADc-qLkBH2vz5RjiB-EwUHs31C6_o6Q2GnY

<https://github.com/elevenlabs/elevenlabs-mcp>

<https://www.youtube.com/watch?v=E2DEHOEbzks>

<https://www.youtube.com/watch?v=GuTcle5edjk>

<https://www.youtube.com/watch?v=yO3Wr7DEWF0>

Key Steps to Implement

1. Write down a workflow that is common - ex) ordering food
2. Break it down into individual components - ex) browsing restaurants, picking a dish, picking a price, applying a coupon code, placing an order, tracking and payment
3. Pick individual parts and build an automation - MPC/ n8n, agents
4. Perform the action using the automations (plus points if you have a friend use it instead of yourself)
5. Record the interactions and improve it/ make it more efficient / easy to use

Submission Details

- **3 things to submit:**
 - **GitHub link** with a README on how to run on local
 - Make sure you make commits regularly
 - If we see only 4-5 commits on day of the submission, we won't review the repo
 - **Technical Documentation (minimum 3 pages)**
 - Features overview
 - Screenshots of all screens and feature explanation
 - Tech stack details
 - API / MCP descriptions - get/ post
 - Design Diagram
 - **1 min screen recording video** where you explain
 - Technical details
 - Every functionality
 - Any cool/ additional features you built

Submission:

Write an email to pradyun@alaiy.com, CC thejas@alaiy.com, apoorva@alaiy.com, prerana@alaiy.com

Include -

1. Short intro of yourself
2. Project git link (make it public)
3. Document link
4. Video link

NOTE:

We encourage you to use any AI tools in development. Clearly specify AI tools used (Cursor, Lovable, GPT, Claude, Bolt, Cursor etc.), and where they were used in development

You can even use an open-source repo, take code from friends/ family

Even if you can't complete the whole project, we're okay with it. We're looking for folks who have given it their best effort and haven't given up

Eval Criteria

1. **Complexity** – if you have picked a more complex functionality - connect to multiple platforms, sending text/ image/ video, built a front end UI for this
2. **Use case** - the more creative your use case, the better

3. **Technical Code Quality** – Clean, structured, and well-documented code
 4. **Documentation Detail** – Clarity, completeness, and correctness of the technical documentation
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Bonus Points:

- Implement solid error handling
- A front end UI to interact with the MCP
- Any additional feature you think will **make it more fun**
- Don't use ordering food as the implementation