

Full Stack Developer Intern Assignment: Auto-Reply Instagram Automation Tool

Rewards: ₹5,000 + Internship Opportunity

Submission Deadline: 10th February 2025

Overview

Build a web-based tool for Instagram influencers to automate replies to comments via DM. When anyone comment with specific keywords on reels/stories, the tool sends a predefined DM response.

Scope of Work

1. Instagram API Integration

- Use Instagram Graph API/Facebook for Developers to access influencer accounts (with permissions).
- Fetch real-time comments on reels/stories.
- Handle DM automation (send messages via API).

2. Keyword Detection & Auto-Reply

- Allow influencers to set custom keywords (e.g., "DM me").
- Trigger predefined DMs when keywords are detected in comments.
- Support variables in messages (e.g., {follower_name}).

3. User Dashboard

- Secure login/authentication (OAuth for Instagram).
- Dashboard to manage:
 - Keywords and corresponding DMs.
 - Enable/disable automation per post/story.
 - Analytics (e.g., # of DMs sent).

4. Security & Compliance

- Ensure GDPR/Instagram API compliance.
- Encrypt sensitive data (passwords, API keys).
- Rate limiting to avoid Instagram API bans.

5. Notifications & Logs

- Email/In-app alerts for errors (e.g., API limits).

- Activity logs for sent DMs and errors.

6. Documentation

- Technical documentation (setup, API usage).
- User guide for influencers.

7. Testing & Deployment

- Unit/integration testing.
 - Deploy on AWS/Heroku (or preferred cloud).
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Deliverables

1. Fully functional web tool with dashboard.
 2. Clean, documented source code.
 3. Technical + user documentation.
 4. Deployment on a live server.
 5. Testing reports.
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Rewards

Upon successful submission and approval of the completed assignment, the candidate will be offered ₹5,000 and an internship opportunity.

Internship Selection Criteria

1. Experience with Instagram/Facebook APIs.
 2. Portfolio of similar projects (automation tools).
 3. Understanding of security best practices.
 4. Clear communication & commitment.
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How to Apply:

Fill this form - <https://forms.gle/Xjtvzqnr73AxrQp6>

Contact:

For assignment submission or any queries, please contact us on WhatsApp at +91 9216517004

Additional Notes

- Scalable code for future enhancements.
 - Open to creative suggestions for improving the tool.
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Why This Project?

- Gain real-world experience with APIs and automation.
 - Add a polished product to your portfolio.
 - Internship opportunity for standout performers.
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Legal

- Code ownership will transfer to the client.
- NDA required for sensitive data.