

Technical Report

Project Overview

This mini InfluenceOS agent is designed to help emerging data professionals build their personal brand using AI-generated LinkedIn posts, strategy planning, and analytics simulation.

Architecture

- User Input: Python dictionary for profile and preferences
- Prompt Template: Injects skills, tone, and goals into the prompt
- AI Layer: GPT-3.5/GPT-4 (via OpenAI API or fallback text)
- Frontend: React app to simulate post generation
- Analytics: Random values to simulate engagement
- Export: Post and metadata exported to `.json``

Technologies Used

- Python 3.10
- Jupyter Notebook
- OpenAI SDK
- Langchain
- React + Tailwind (frontend)
- JSON export for portability

AI Model

- Uses gpt-3.5-turbo or gpt-4 depending on access
- Prompt temperature: 0.7
- Fallback content used if API not accessible

Sample Output

json

```
{  
  "post": "Stepping into the world of Data Science...",  
  "calendar": [...],  
  "analytics": {  
    "views": 1800,  
    "likes": 240,  
    ...  
  }  
}
```