



InnoResume AI - Updated Installation Guide



Prerequisites

- Python 3.8 or higher
- Groq API Account (free tier available)
- Email account with app password (Gmail recommended)



Quick Installation

Step 1: Create Project Directory

```
bash
mkdir InnoResume-AI
cd InnoResume-AI
```

Step 2: Create Virtual Environment

```
bash

# Windows
python -m venv venv
venv\Scripts\activate

# macOS/Linux
python3 -m venv venv
source venv/bin/activate
```

Step 3: Install Dependencies

Option A: Minimal Installation (Recommended)

```
bash
pip install -r requirements-minimal.txt
```

Option B: Full Installation (All Features)

```
bash
pip install -r requirements.txt
```

Option C: Manual Installation (If files not available)

```
bash
```

```
# Essential packages
```

```
pip install streamlit pandas numpy scikit-learn nltk plotly
```

```
pip install PyPDF2 python-docx docx2txt requests python-dateutil
```

```
pip install groq email-validator python-dotenv textblob wordcloud
```

Step 4: Download NLTK Data

```
python
```

```
python -c "import nltk; nltk.download('punkt'); nltk.download('stopwords')"
```

Step 5: Create Environment File

Create a `.env` file in your project directory:

```
env
```

```
# Groq API Configuration
```

```
GROQ_API_KEY=your_groq_api_key_here
```

```
# Email Configuration (Optional)
```

```
SMTP_SERVER=smtp.gmail.com
```

```
SMTP_PORT=587
```

```
EMAIL_USERNAME=your_email@gmail.com
```

```
EMAIL_PASSWORD=your_app_password
```

```
# System Settings
```

```
DEBUG=True
```

```
MAX_FILE_SIZE=10MB
```

Getting API Keys

Groq API Key (Required for AI Features)

1. Visit <https://console.groq.com/>
2. Sign up for a free account
3. Navigate to API Keys section
4. Generate a new API key
5. Copy and save it securely

Gmail App Password (For Email Features)

1. Enable 2-Factor Authentication on Gmail

2. Go to Google Account Settings
3. Security → 2-Step Verification → App Passwords
4. Generate password for "InnoResume AI"
5. Use this password (not your regular Gmail password)

Running the Application

Basic Run

```
bash  
streamlit run main.py
```

Custom Port

```
bash  
streamlit run main.py --server.port 8502
```

Production Mode

```
bash  
streamlit run main.py --server.headless true
```

First-Time Setup

1. Configure API Key

- Open the application
- Go to Settings → API Settings
- Enter your Groq API key
- Verify connection status

2. Configure Email (Optional)

- Go to Settings → Email Configuration
- Enter SMTP details
- Test email configuration
- Save settings

3. Test the System

- Upload a sample resume

- Select a job position
- Run analysis
- Send test email report

Troubleshooting

Common Issues

1. Groq API Connection Error

```
bash

# Solution: Check API key and internet connection
# Fallback: System will use basic analysis if API fails
```

2. Email Send Failure

```
bash

# Gmail users: Use App Password, not regular password
# Other providers: Check SMTP settings
```

3. PDF Reading Error

```
bash

pip install --upgrade PyPDF2
# Alternative: Try uploading DOCX format
```

4. Import Errors

```
bash

pip install --upgrade streamlit
# Restart your terminal/IDE after installation
```

5. Port Already in Use

```
bash

streamlit run main.py --server.port 8503
# Or kill existing Streamlit processes
```

Performance Optimization

For Better Performance

```
bash

# Install optional acceleration packages
pip install numpy[mkl] # Intel Math Kernel Library
pip install pandas[performance] # Pandas optimizations
```

Memory Management

```
python

# Add to main.py if needed
import gc
gc.collect() # Force garbage collection
```

Deployment Options

Local Network Access

```
bash

streamlit run main.py --server.address 0.0.0.0
```

Streamlit Cloud Deployment

1. Push code to GitHub
2. Connect to Streamlit Cloud
3. Add secrets for API keys
4. Deploy

Docker Deployment

```
dockerfile
```

FROM python:3.9-slim

WORKDIR /app

COPY requirements-minimal.txt .

RUN pip install -r requirements-minimal.txt

COPY ..

EXPOSE 8501

CMD ["streamlit", "run", "main.py", "--server.port=8501", "--server.address=0.0.0.0"]

Hackathon Demo Preparation

Pre-Demo Checklist

- ☐ Groq API key configured and tested
- ☐ Email settings configured and tested
- ☐ Sample resumes ready (different quality levels)
- ☐ Job descriptions prepared
- ☐ Internet connection stable
- ☐ Backup demo data prepared

Demo Flow

1. Show stunning 3D interface (30 seconds)
2. Configure Groq API live (1 minute)
3. Upload resume and analyze (2 minutes)
4. Show AI insights and recommendations (2 minutes)
5. Send email report (1 minute)
6. Show analytics dashboard (1 minute)

Backup Plans

- **No internet:** Use offline mode with sample data
- **API fails:** Fallback analysis still works beautifully
- **Email fails:** Show generated report without sending

Support

Getting Help

- Check the troubleshooting section

- Verify all dependencies are installed
- Ensure API keys are correct
- Test with minimal setup first

Contact Information

- GitHub Issues: (Create repository issues)
 - Email: support@innomatics.in
 - Documentation: Check `setup_instructions.md`
-

You're now ready to dominate the hackathon with the most advanced resume analysis system! 🚀 🏆

🎯 Key Success Factors

1. **Visual Impact:** 3D glassmorphism interface
2. **AI Power:** Groq integration for advanced analysis
3. **Professional Features:** Email automation and reporting
4. **Real-time Updates:** Dynamic candidate information
5. **Scalability:** Handles enterprise-level processing

Good luck with your hackathon! 🌟