## Deploying Resume Analyser App to Azure

I have deployed the Resume Analyser app (Profilyser) to Azure by following these steps:

1. **Azure Account Setup:**
   - Signed up for a free Azure account at https://azure.microsoft.com.

2. **Resource Group Creation:**
   - Created a new resource group named "resume-analyser" in the Azure Portal.

3. **App Service Creation:**
   - Created a new App Service named "profilyser-resume-analyser" in the Azure Portal.
   - Associated the App Service with the "resume-analyser" resource group.
   - Set the publish option to Code and selected Python version 3.11 in the Australia southeast region.
   - Chose the free plan for the App Service.

4. **GitHub Repo Deployment:**
   - Connected my GitHub repository to the App Service in the Azure Deployment Center.
   - Enabled continuous integration and deployment to automatically update the app upon pushing changes to the specified branch.

5. **Configuring Gunicorn for Azure:**
   - Created a "startup.txt" file in the project root with the following content:
   ```
   gunicorn --bind=0.0.0.0 --timeout 600 app:app
   ```

6. **Updating Startup Command in Azure:**
   - Navigated to the App Service in the Azure portal.
   - Went to Configuration > General Settings and set the "Startup command" to "startup.txt."

7. **Adding Keys and Secrets to Web App Configuration:**
   - Navigated to the App Service in the Azure portal.
   - Went to Configuration > Application settings and added the following keys and values (replaced placeholders with actual values):
   ```
   ENVIRONMENT
   SECRET_KEY
   ```

```
    PROD_HOST
    PROD_PORT
    DEV_HOST
    DEV_PORT
    GITHUB_USERNAME
    GITHUB_REPO
    GITHUB_TOKEN
```

8. **Updating the Workflow File:**
   - Modified the GitHub Actions workflow file to enable logging in to the Azure CLI using a service principal with the following code snippet:
```
   - name: Log in to Azure CLI using service principal
     uses: azure/login@v1
     with:
       creds: ${{ secrets.AZURE_CREDENTIALS }}
```

The Resume Analyser app is now deployed on Azure, and automated deployment has been set up using GitHub Actions for continuous updates.