In [1]: ▶|
```python
from langchain_groq import ChatGroq
```

In [2]: ▶|
```python
llm = ChatGroq(
    temperature=0,
    groq_api_key='gsk_7u3xvgz5EU2zUZM2ilQsWGdyb3FYvZD9hpDa2V1N3C03KodFl
    model_name="llama-3.1-70b-versatile"
)
response = llm.invoke("The first person to land on moon was ...")
print(response.content)
```

The first person to land on the moon was Neil Armstrong. He stepped out of the lunar module Eagle and onto the moon's surface on July 20, 1969, during the Apollo 11 mission. Armstrong famously declared, "That's one small step for man, one giant leap for mankind," as he became the first human to set foot on the moon.

In [9]:

```python
from langchain_community.document_loaders import import WebBaseLoader

loader = WebBaseLoader("https://jobs.nike.com/job/R-45889?from=job%20se
page_data = loader.load().pop().page_content
print(page_data)
```

In [9]:

```python
from langchain_community.document_loaders import import WebBaseLoader

loader = WebBaseLoader("https://jobs.nike.com/job/R-45889?from=job%20se
page_data = loader.load().pop().page_content
print(page_data)
```

Apply for Software Engineer I

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ocumented code.Keep up with emerging technologies and implement them when appropriate.What you bringBachelor's degree in Computer Science, Engineering, or a related field (or equivalent experience).Strong foundational knowledge of programming languages such as Java, Python, C++, JavaScript, or others.Experience with object-oriented programming and basic data structures.Familiarity with version control systems, such as Git.Strong problem-solving and debugging skills.Ability to work effectively both independently and in a team environment.Good communication skills and a willingness to learn from senior team members.We are committed to fostering a diverse and inclusive environment for all employees and job applicants. We offer a number of accommodations to complete our interview process including screen readers, sign language interpreters, accessible and single location for in-person interviews, closed captioning, and other reasonable modifications as needed. If you discover, as you navigate our application process, that you need assistance or an accommodation due to a disability, please complete the Candidate Accommodation Request Form.NIKE, Inc. is a growth company that looks for team members to grow with it. Nike offers a generous total rewards package, casual work environment, a diverse and inclusive culture, and an electric atmosphere for professional development. No matter the location, or the role, every Nike employee shares one galvanizing mission: To bring inspiration and innovation to every athlete* in the world.NIKE, Inc. is committed to employing a diverse workforce. Qualified applicants will receive consideration without regard to race, color, religion, sex, national origin, age, sexual orientation, gender identity, gender expression, veteran status, or disability.How We HireAt NIKE, Inc. we promise to provide a premium, inclusive, compelling and authentic candidate experience. Delivering on this promise means we allow you to be at your best — and to do that, you need to understand how the hiring process works. Transparency is key.

* This overview explains our hiring process for corporate roles. Note there may be different hiring steps involved for non-corporate roles.Start nowBenefitsWhether it's transportation or financial health, we continually invest in our employees to help them achieve greatness — inside and outside of work. All who work here should be able to realize their full potential.Employee Assistance ProgramEmployee Stock Purchase Plan (ESPP)HolidaysMedical PlanPaid Time Off (PTO)Product DiscountsSabbaticalsLearn moreFIND A STOREBECOME A MEMBERSIGN UP FOR EMAILSEND US FEEDBACKSTUDENT DISCOUNTSGET HELPGET HELPOrder StatusDeliveryReturnsPayment OptionsContact Us On Nike.com InquiriesContact Us On All Other InquiriesABOUT NIKEABOUT NIKENewsCareersInvestorsSustainabilityIndia© 2025 Nike, Inc. All Rights ReservedGuidesNike AdaptNike Air MaxNike Flyleather Nike PegasusNike Zoom FlyNike AirNike FlyEaseNike FreeNike ReactNike ZoomXNike Air Force 1Nike FlyknitNike JoyrideNike VaporflyTerms of SaleTerms of UseNike Privacy Policy

In [10]:
```python
from langchain_core.prompts import PromptTemplate

prompt_extract = PromptTemplate.from_template(
        """
        ### SCRAPED TEXT FROM WEBSITE:
        {page_data}
        ### INSTRUCTION:
        The scraped text is from the career's page of a website.
        Your job is to extract the job postings and return them in JSON
        following keys: `role`, `experience`, `skills` and `description
        Only return the valid JSON.
        ### VALID JSON (NO PREAMBLE):
        """
)

chain_extract = prompt_extract | llm
res = chain_extract.invoke(input={'page_data':page_data})
type(res.content)
```

Out[10]: str

In [11]:
```python
from langchain_core.output_parsers import JsonOutputParser

json_parser = JsonOutputParser()
json_res = json_parser.parse(res.content)
json_res
```

Out[11]: {'role': 'Software Engineer I',
 'experience': 'Entry-level',
 'skills': ['Java',
  'Python',
  'C++',
  'JavaScript',
  'Object-oriented programming',
  'Data structures',
  'Version control systems (e.g. Git)',
  'Problem-solving',
  'Debugging'],
 'description': 'Develop, test, and deploy new software solutions in a
ccordance with company standards and best practices. Collaborate with
senior engineers, cross-functional teams, and vendors to design and im
plement software features. Troubleshoot and resolve issues related to
performance, bugs, and system errors.'}

In [12]:
```python
type(json_res)
```

Out[12]: dict

In [13]:
```python
import pandas as pd

df = pd.read_csv("my_portfolio.csv")
df
```

Out[13]:

	Techstack	Links
0	React, Node.js, MongoDB	https://example.com/react-portfolio
1	Angular,.NET, SQL Server	https://example.com/angular-portfolio
2	Vue.js, Ruby on Rails, PostgreSQL	https://example.com/vue-portfolio
3	Python, Django, MySQL	https://example.com/python-portfolio
4	Java, Spring Boot, Oracle	https://example.com/java-portfolio
5	Flutter, Firebase, GraphQL	https://example.com/flutter-portfolio
6	WordPress, PHP, MySQL	https://example.com/wordpress-portfolio
7	Magento, PHP, MySQL	https://example.com/magento-portfolio
8	React Native, Node.js, MongoDB	https://example.com/react-native-portfolio
9	iOS, Swift, Core Data	https://example.com/ios-portfolio
10	Android, Java, Room Persistence	https://example.com/android-portfolio
11	Kotlin, Android, Firebase	https://example.com/kotlin-android-portfolio
12	Android TV, Kotlin, Android NDK	https://example.com/android-tv-portfolio
13	iOS, Swift, ARKit	https://example.com/ios-ar-portfolio
14	Cross-platform, Xamarin, Azure	https://example.com/xamarin-portfolio
15	Backend, Kotlin, Spring Boot	https://example.com/kotlin-backend-portfolio
16	Frontend, TypeScript, Angular	https://example.com/typescript-frontend-portfolio
17	Full-stack, JavaScript, Express.js	https://example.com/full-stack-js-portfolio
18	Machine Learning, Python, TensorFlow	https://example.com/ml-python-portfolio
19	DevOps, Jenkins, Docker	https://example.com/devops-portfolio

In [14]:
```python
import uuid
import chromadb

client = chromadb.PersistentClient('vectorstore')
collection = client.get_or_create_collection(name="portfolio")

if not collection.count():
    for _, row in df.iterrows():
        collection.add(documents=row["Techstack"],
                       metadatas={"links": row["Links"]},
                       ids=[str(uuid.uuid4())])
```

In [19]:
```python
links = collection.query(
    query_texts=['Experience in Python' , 'Expertise in React Native'],
    n_results=2).get('metadatas', [])
links
```

Out[19]:
```
[[{'links': 'https://example.com/ml-python-portfolio'},
  {'links': 'https://example.com/python-portfolio'}],
 [{'links': 'https://example.com/react-native-portfolio'},
  {'links': 'https://example.com/react-portfolio'}]]
```

In [20]:
```python
job = json_res
job['skills']
```

Out[20]:
```
['Java',
 'Python',
 'C++',
 'JavaScript',
 'Object-oriented programming',
 'Data structures',
 'Version control systems (e.g. Git)',
 'Problem-solving',
 'Debugging']
```

In [21]:
```python
job
```

Out[21]:
```
{'role': 'Software Engineer I',
 'experience': 'Entry-level',
 'skills': ['Java',
  'Python',
  'C++',
  'JavaScript',
  'Object-oriented programming',
  'Data structures',
  'Version control systems (e.g. Git)',
  'Problem-solving',
  'Debugging'],
 'description': 'Develop, test, and deploy new software solutions in a
ccordance with company standards and best practices. Collaborate with
senior engineers, cross-functional teams, and vendors to design and im
plement software features. Troubleshoot and resolve issues related to
performance, bugs, and system errors.'}
```

In [24]:

```python
prompt_email = PromptTemplate.from_template(
        """
    ### JOB DESCRIPTION:
    {job_description}

    ### INSTRUCTION:
    You are Khushal Seth, a student at KIIT University.
    Your job is to write a cold email to the client regarding the job m
    in fulfilling their needs.
    Also add the most relevant ones from the following links to showcas
    Do not provide a preamble.

    ### EMAIL (NO PREAMBLE):
    """
        )

chain_email = prompt_email | llm
res = chain_email.invoke({"job_description": str(job), "link_list": lin
print(res.content)
```

Subject: Application for Software Engineer I Position

Dear Hiring Manager,

I am excited to apply for the Software Engineer I position at your company. With a strong foundation in programming languages such as Java, Python, C++, and JavaScript, I am confident in my ability to develop, test, and deploy new software solutions that meet your company's standards and best practices.

As a skilled programmer with experience in object-oriented programming, data structures, and version control systems like Git, I am well-equipped to collaborate with senior engineers, cross-functional teams, and vendors to design and implement software features. My problem-solving and debugging skills will enable me to troubleshoot and resolve issues related to performance, bugs, and system errors.

I would like to highlight Relevant's capabilities in fulfilling your needs. Relevant has a strong portfolio in Python, with projects such as machine learning and data science applications, which can be viewed at https://example.com/ml-python-portfolio (https://example.com/ml-python-portfolio) and https://example.com/python-portfolio. (https://example.com/python-portfolio.) These projects demonstrate Relevant's expertise in developing scalable and efficient software solutions.

Additionally, Relevant has experience in developing cross-platform applications using React Native, with a portfolio available at https://example.com/react-native-portfolio. (https://example.com/react-native-portfolio.) Relevant's proficiency in React is also showcased at https://example.com/react-portfolio, (https://example.com/react-portfolio,) demonstrating its ability to build robust and user-friendly interfaces.

I am excited about the opportunity to bring Relevant's capabilities to your company and contribute to the development of innovative software solutions. Thank you for considering my application. I look forward to discussing my qualifications further.

Best regards,
Khushal Seth

In [ ]: