```
import spacy

# Load the spaCy English language model
nlp = spacy.load("en_core_web_sm")

# Example document (replace with your own)
text = """Prashant Sarvaiya is a developer.
He loves building applications.
He works on IoT projects.
He develops apps using Flutter.
Prashant explores AI and ML.
He studies at Marwadi University.
He enjoys solving real problems.
He participates in hackathons.
He learns cloud technologies.
Prashant aims to create impact."""


# Create a spaCy Doc object
doc = nlp(text)

# Print the tokens
for token in doc:
    print(token.text)
```

```
He
works
on
IoT
projects
.


He
develops
apps
using
Flutter
.


Prashant
explores
AI
and
ML
.


He
studies
at
Marwadi
University
.


He
enjoys
solving
real
problems
.
```

```
Prashant
aims
to
```

```
# Remove specific characters or words
filtered_text = text.replace(".", "")  # Example: removing periods
filtered_words = [word for word in doc if word.text != "is"]  # Example: removing the word "is"
filtered_words
```

```
,
He,
loves,
building,
applications,
.,
,
He,
works,
on,
IoT,
projects,
.,
,
He,
develops,
apps,
using,
Flutter,
.,
,
Prashant,
explores,
AI,
and,
ML,
.,
,
He,
studies,
at,
Marwadi,
University,
.,
,
He,
enjoys,
solving,
real,
problems,
.,
,
He,
participates,
in,
hackathons,
.,
,
He,
learns,
cloud,
technologies,
.,
,
Prashant,
aims,
to,
create,
impact,
```

```
from spacy.lang.en.stop_words import STOP_WORDS

# Remove stop words
filtered_words = [word for word in doc if not word.is_stop]

# Print the filtered words
for word in filtered_words:
    print(word.text)
```

```
Sarvaiya
developer
.
```

```
loves
building
applications
.


works
IoT
projects
.


develops
apps
Flutter
.


Prashant
explores
AI
ML
.


studies
Marwadi
University
.


enjoys
solving
real
problems
.


participates
hackathons
.


learns
cloud
technologies
.


Prashant
aims
create
impact
```

```
for token in doc:
    print(token.text, token.pos_)
```

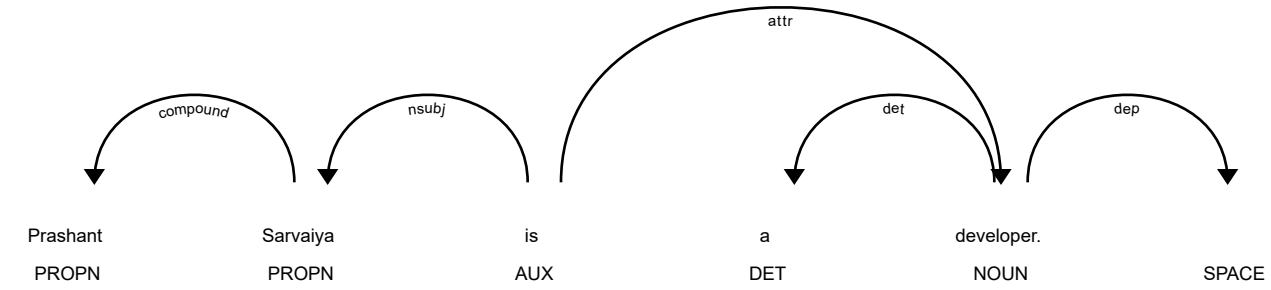
```
 SPACE
He PRON
works VERB
on ADP
IoT ADJ
projects NOUN
. PUNCT

 SPACE
He PRON
develops VERB
apps NOUN
```

```
studies VERB
at ADP
Marwadi PROPN
University PROPN
. PUNCT

 SPACE
He PRON
enjoys VERB
solving VERB
real ADJ
problems NOUN
. PUNCT

 SPACE
He PRON
participates VERB
in ADP
hackathons NOUN
. PUNCT

 SPACE
He PRON
learns VERB
cloud ADJ
technologies NOUN
. PUNCT

 SPACE
Prashant PROPN
aims VERB
to PART
```

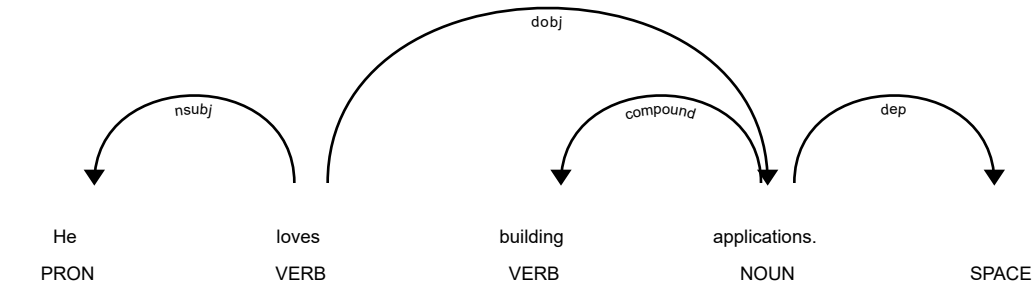
```
for chunk in doc.noun_chunks:
    print(chunk.text)
```

```
Prashant Sarvaiya
a developer
He
building applications
He
IoT projects
He
apps
Flutter
Prashant
AI
ML
He
Marwadi University
He
real problems
He
hackathons
He
cloud technologies
Prashant
impact
```

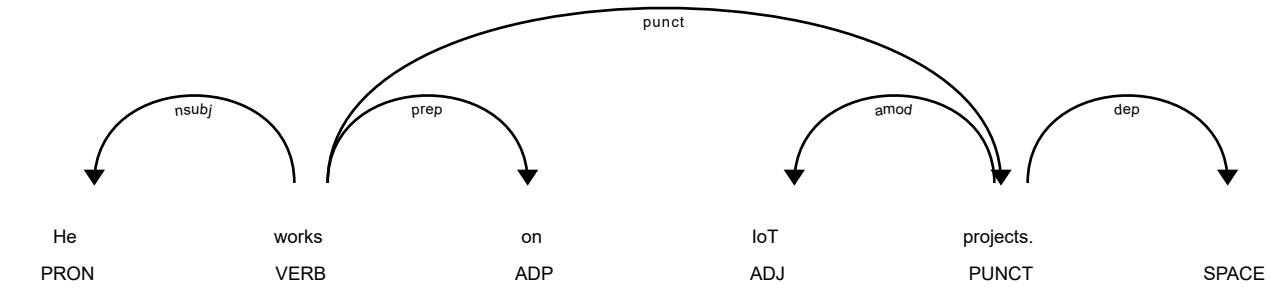
```
# Render each sentence separately
for sent in doc.sents:
    displacy.render(sent, style="dep", jupyter=True)
    print("\n" + "="*50 + "\n")  # Separator for better visualization
```


attr
compound
nsubj
det
dep
Prashant
Sarvaiya
is
a
developer.
PROPN
PROPN
AUX
DET
NOUN
SPACE

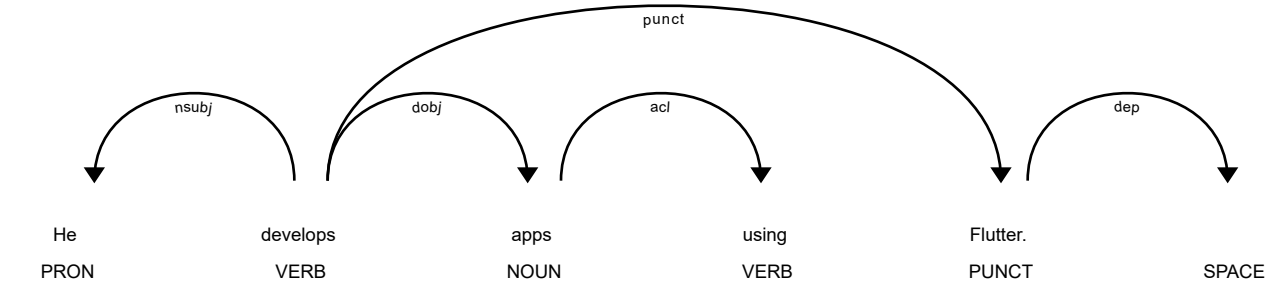
==========


dobj
nsubj
compound
dep
He
loves
building
applications.
PRON
VERB
VERB
NOUN
SPACE

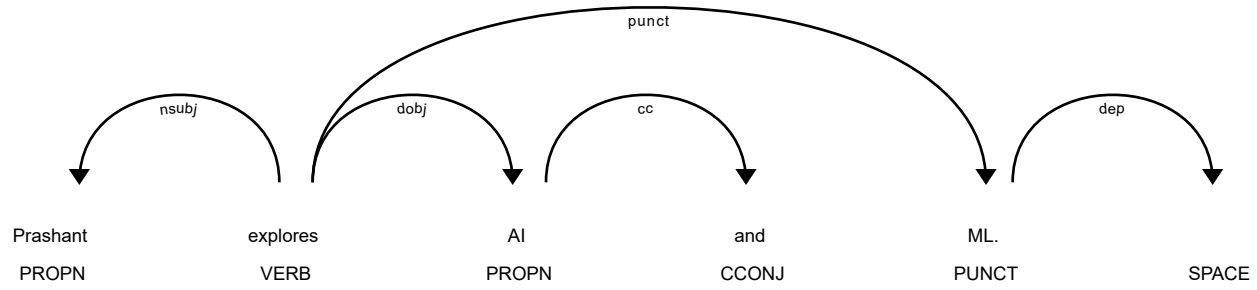
==========


punct
nsubj
prep
amod
dep
He
works
on
IoT
projects.
PRON
VERB
ADP
ADJ
PUNCT
SPACE

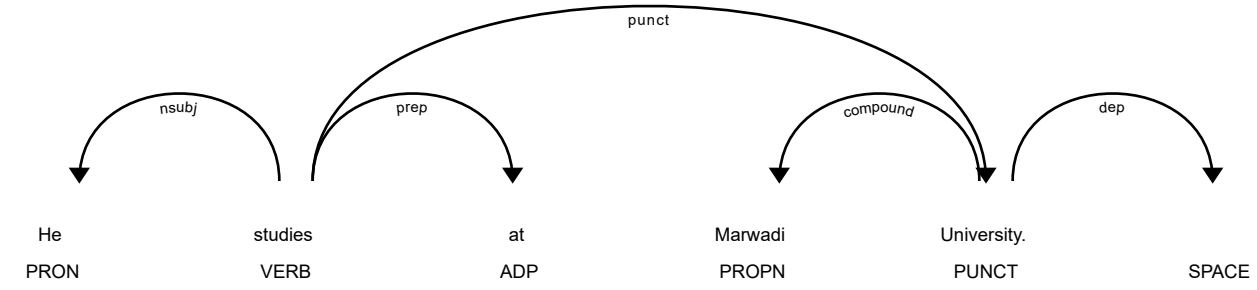
==========


punct
nsubj
dobj
acl
dep
He
develops
apps
using
Flutter.
PRON
VERB
NOUN
VERB
PUNCT
SPACE

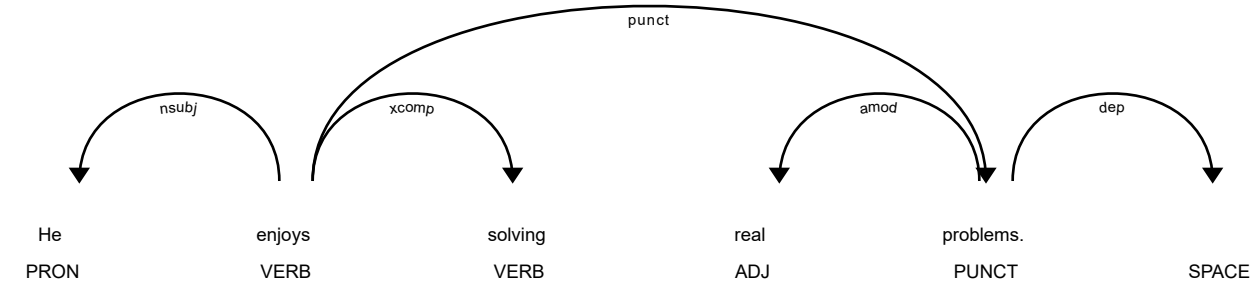
==========


punct
nsubj
dobj
cc
dep
Prashant
explores
AI
and
ML.
PROPN
VERB
PROPN
CCONJ
PUNCT
SPACE

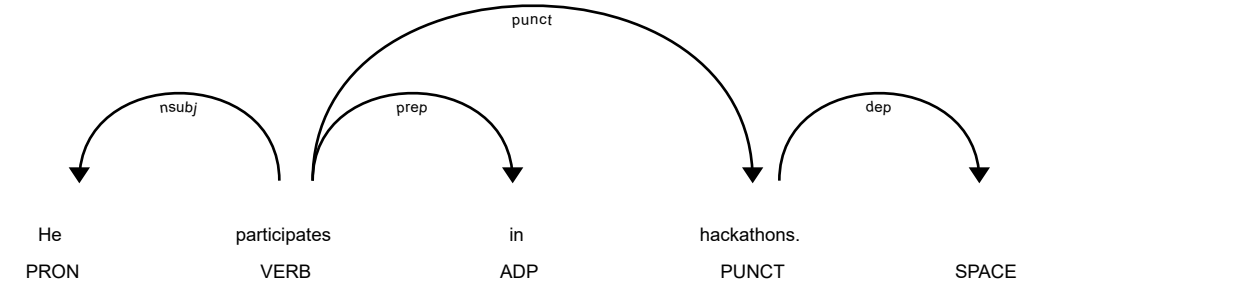
==========


punct
nsubj
prep
compound
dep
He
studies
at
Marwadi
University.
PRON
VERB
ADP
PROPN
PUNCT
SPACE

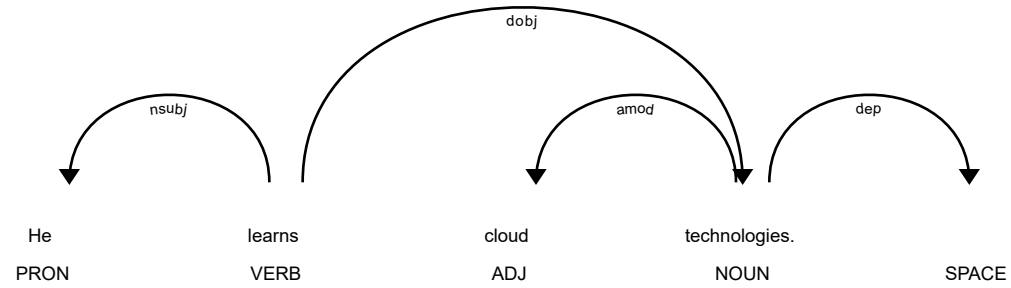
==========


punct
nsubj
xcomp
amod
dep
He
enjoys
solving
real
problems.
PRON
VERB
VERB
ADJ
PUNCT
SPACE

==========


punct
nsubj
prep
dep
He
participates
in
hackathons.
PRON
VERB
ADP
PUNCT
SPACE

==========



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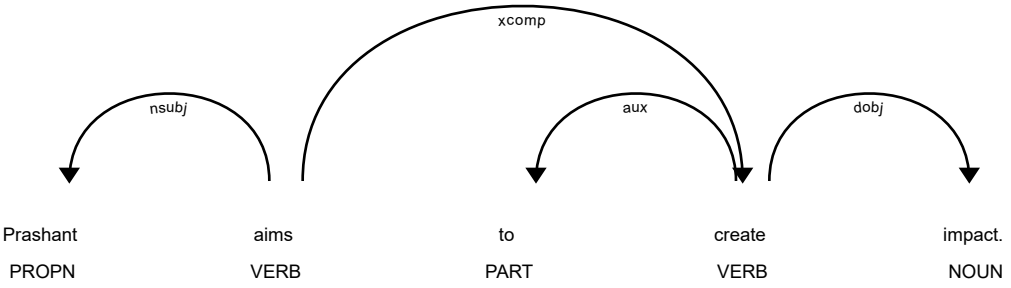

==========

Start coding or generate with AI.