

# Raigon Kunnath Augustin

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## WORK EXPERIENCE

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**University of Konstanz** - Student Research Assistant

May 2022 - June 2023

- **Interactive Video Search System:** Build an interactive video search system using CLIP model to perform a text-based search for the presence of a frame in a video. (**Python, Numpy, Pytorch, Redis, D3, Javascript, Flask**)
- **Argument Relation Classification:** Trained multiple machine learning models to predict the relations between two arguments in QT30 corpus. (**Python, PyTorch, D3, Pandas, Scikit-Learn, Numpy, NLP**)
- **Negation understanding:** Explored the capabilities of large language models like BERT to understand negation and other related linguistic concepts. (**Python, PyTorch, Pandas, Matplotlib, Seaborn**)
- **Concept similarity:** Explored BERT's understanding of the inter and intra concept similarity in sentences. (**Python, Pytorch, D3, Javascript, Flask, Pandas, NLP**)

**SAP LABS INDIA, Bangalore** - Developer

Sept 2015 - Jun 2021

- **Jenkins Plugin:** Developed a jenkins plugin to add custom workflow steps to the pipeline. (**Java, Jenkins, Groovy, Maven**)
- **Log Classification:** Trained deep learning model to classify the error log in test generated in Jenkins pipelines. (**Python, Tensorflow, Pandas, Scikit-Learn, Docker, Flask**)
- **Chat Bot:** Build a chat bot to support development teams with queries related to cloud hotfix. (**RASA, Python, SAP Conversational AI**)
- **Job Configuration as Code:** Defined all Jenkins build and pipeline job configurations in the team in a programmatic form. (**Groovy, Jenkins**)

## EDUCATION

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2021 - 2023 Master's specializing in Data Science (Computer and Information Science) at **University of Konstanz**

Thesis: Content Diffusion from Social Media to News Quotes

2011 - 2015 Bachelor's (Computer Science and Engineering) at **GEC Thrissur, University of Calicut**

## SKILLS

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<b>Programming Language</b>	Python, Java, Groovy, JavaScript, SQL, HTML
<b>Tools/Framework</b>	Git, Jenkins, RASA, Docker, Maven, Robot Framework
<b>Libraries</b>	Pandas, Numpy, Tensorflow, PyTorch, Matplotlib, D3, Flask, Scikit-Learn, Scipy
<b>Language</b>	English
<b>Database</b>	MongoDB, Neo4j (basic)

## OTHER HIGHLIGHTS

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- **Certification:** NPTEL Certification on Applied Natural Language Processing from IIT Madras.
- **Awards:** Runner up in the innovation competition at the IQS X event 2017 conducted at SAP