

Burre Chandu

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EXPERIENCE

Cognizant

Software Engineer

- Trained on Full Stack Development.

Pinnani

Data Engineer

- I Worked on case research and **information retrieval system/portal** for legal/law documents/judgments.
- Relevant judgements are retrieved based on user query through **ElasticSearch** search functionalities.
- I also worked on extracting various entities such as sections, acts and articles from law judgements and also text summarization of legal judgements
- Made use of **AWS Lambda functions** for serverless deployment of all REST APIs of information retrieval system

**Technologies/Frameworks Used:***Python, Nltk, Spacy, Web Scraping, SQL, MongoDB, ElasticSearch, AWS services(s3, Redis, MongoDB, Lambda functions, RDS, API gateway, ec2), Nodejs.*

SmatSocial

Data Science Intern

I worked on building customer support chatbot that uses natural language processing model to suggest automatic replies and also worked on full stack development of live customer support web application portal.

National Institute of Technology, Andhra Pradesh

Head of app development team

EDUCATION

National Institute of Technology Andhra Pradesh

Bachelor of Technology

7.45/10 CGPA

Sri Chaitanya Junior College

High School (12 th)

97.6%

Nava Jyothi High School

Secondary School Certificate (10th)

9.7/10 CGPA

SKILLS

Strengths:

Backend Development, Natural Language Processing, Machine Learning, Data Mining, Data Analysis, Data Structures.

Programming/Query Languages:

Python, C++, Java, C, JavaScript, SQL, NOSQL (MongoDB, DynamoDB)

Frameworks, Tools and Others:

Spring Boot Framework, Hibernate, Spring Security, React Js, Tensorflow, Keras, NLP python libraries, Flask Web App Development, Android App Development, ElasticSearch, AWS Cloud Services, Google Cloud Platform.

PUBLICATIONS

Abusive or Offensive Language Identification using Fine-tuned BERT and XLNet

Springer book series: "Algorithms for Intelligent Systems"

- This paper discusses abusive language detection using state-of-the-art NLP models BERT and XLNet.
- This paper was accepted at International Conference on Paradigms of Computing, Communication and Data Science (PCCDS-2020)

Abusive Language Detection using Customized BERT

Inderscience Publishers

- This paper is extension of previous paper in which a new approach is discussed with customized BERT model, which achieved better results.
- Accepted at International Journal of Swarm Intelligence

PROJECTS

Information Retrieval from Law Judgements

This project is focused on retrieving relevant legal court judgements based on a text query. ElasticSearch is used for indexing and searching through millions of documents.

Abusive Language Detection

I worked on Abusive language detection in natural language using neural attentive language models. We achieved great results on this task which led us to write two research papers which were later accepted by PCCDS and IJSI Conferences.

Automatic Support Reply Suggestion using NLP

Sequence to sequence deep learning LSTM models trained on chat data as a language modeling objective to predict customer support answers to the user question.

Customer Support Live Chat Web Application

Developed a web application where multiple users can chat with multiple live customer support agents. This application is developed using Flask web framework and real-time messaging is done through websockets

COPE-COPY

This project makes copying multiple files from multiple folders in one go easily by accessing the clipboard contents through shell script and using the Linux commands to copy the files to destination.

CERTIFICATIONS

Google Cloud Platform Big Data and Machine Learning Fundamentals

Google Cloud

Natural Language Processing in TensorFlow

deeplearning.ai

Python for Data Science

DataQuest

VOLUNTEERING

Computer Science and Engineering Association

National Institute of Technology Andhra Pradesh

I worked as technical executive member and organized, designed and took part in various events