Gayathri G. Nair

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Career Objective

To work on a suitable position in a prestigious software company, where I can learn with experience, utilize my existing skills and grow in my relevant field, contributing to the development of the organization and nation. And to serve my parents as well as the people who suffer in the society by offering a helping hand to them with the best of my abilities.

Educational Qualification

Course	Institution	Board/University	Year of Passing	Aggregate % or CGPA
M.Tech (Computational Linguistics)	Govt. Engineering College Palakkad	APJ Abdul Kalam Technological University	2019	9.12
B.Tech (Computer Science)	Sreepathy Institute of Management	Calicut University	2017	8.5
H.S.E (12th)	G.H.S.S Panjal	Kerala State	2013	84
S.S.L.C	ST.Thomas H.S.School,	Kerala State	2011	88

Areas of Interest

Natural Language Processing, Machine Learning, Data Mining, Big data, Information Extraction.

Areas of Expertise

Programming Languages   : Python, R, C
C++ Database Languages : MySQL
Operating Systems   : Windows, Ubuntu
Machine Learning   : Scikit-learn, Tensorflow, Keras, Neural Network, LSTM, CNN, Naive
                            Bayes, SVM.
NLP Tools   : NLTK, coreNLP, Spacy, Stanford CoreNLP.
Applications   : LaTeX, Libre Office, MS Office, Adobe.
Extras   : Docker, Kafka, APIs

Work Experience

1. Data Engineer – NLP   Almug Technologies Pvt. Ltd   January'21 - Present

2. Data Engineer – NLP   Almug Technologies Pvt. Ltd   June'19-November 19

- o Gained experience and expertise with robust NLP products within the organization.
- o Processed with big data and inference Knowledge from them.
- o Extracted specific information and analyzed data.
- o Extracted from unstructured data and converted to structured data.
- o Used Retraining and Transfer Learning Approaches

Achievements

- Calicut university Rank holder (B.Tech- 2013-2017)
- Elected as school head girl.
- Participated in intracollege arts competition.

Academic Activities

- Presented paper in National Conference on "Innovations in Engineering & Technology."
- Presented paper in Conference on "PG Research Conclave 2019"
- Participated in Seminar on Character Recognition.
- Participated for Paper Presentation in Tech fest in inter college level.

Paper Published

- Published a paper in IJARCCE entitled "Survey on satirical news detection and analysis using attention mechanism and linguistics features" in National Conference on "Innovations in Engineering & Technology"
- Published a paper entitled "Hoax News Detection : Transfer Learning over Deep Learning" in PG - Research Conclave 2019.

Projects

- Library Management System(B.Tech Mini Project)

  Language: Php
  Description: Created a Web Based Application in order to solve the difficulties which was facing by the students and the faculties during the different functionalities of existing library management system. The concepts of php, and mysql were used to develop the application.

- Election Data Analysis using Machine Learning (B.Tech Main Project)

  Language: R, Php
  Description: It is a concept of using social media to understand the public opinion and trend in the election time, and there by predict the election winner by analyze these tweets and sentiments from social networks regarding the elections. It's an machine learning project implemented by Nave Bayes and SVM algorithms. The same uses the help of R language for the extraction of data. And also the php and mysql concepts.

- Structure Recognition and Information Extraction From Scholarly Articles (M.Tech Mini Project)

  Language: Python
  Description: Developed a text classification algorithm that follows a multi-pass sieve framework to automatically classify PDF text snippets(for brevity, texts) into Title, Abstract, Body text, Semi structure, and Metadata categories. The Rule based classification is implemented with the support of Python Language.
  The project code can be accessed here: https://github.com/Gayathri-G-Nair/PDF_Information_Extraction

- Hoax News Detection: Transfer Learning Approach (M.Tech Main Project)

  Language: Python
  Description: Given a news article, the hoax news detection system is to identify whether the given news article is a fake news piece or not using Transfer Learning approach. For Transfer learning used ULMFiT. And also compared the results with different deep learning models like Long Short Term Memory (LSTM), and Convolutional Neural Network (CNN) with the Python implementation.
  The project code can be accessed here: https://github.com/Gayathri-G-Nair/Hoax_News_Detection-A_Transfer_Learning_Approach

SEMINARS

- A high speed implementation of counter mode cryptography using hardware parallelism. (As part of B.Tech curriculam)
- Disambiguating context dependent polarity of words An Information retrieval approach. (As part of M.Tech curriculam)
- Satirical News Detection Using Attention Mechanism and Linguistic Features. (As part of M.Tech curriculam)

Strengths

- Adaptability
- Willing to work as a part of a Team
- Willingness to learn
- Presentation skills
- Leadership skills
- Good Listener

Extracurricular Activities

- Reading Books
- Photography
- Listening to music
- Watching movies
- Writing Poems

Personal Information

Languages known   : English, Malayalam, Hindi

Declaration

The above mentioned information is true to the best of my knowledge and believes that I shall serve your esteemed organization with sincerity.

Gayathri G. Nair