Rajitha K

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Carrier Objective

I would like to be flourishing as a Data Scientist. I believe that, I have the capability to perform independent statistical and machine learning research/projects with curiosity for exploring new techniques and technologies. Seeking a position to utilize my skills and abilities in the Data Science field that offers professional growth while being resourceful, innovative and flexible.

Education

Course	Institute	Stream	Year	Performance
M.Tech	Govt. Engineering College, Palakkad	Computational Linguistics	2015	7.95
B.Tech	Govt. Engineering College, Palakkad	Computer Science and Engineering	2012	68%
12th	G.V.G.H.S.S, Chittur, Palakkad	SCERT	2008	86%
SSLC	G.V.G.H.S.S, Chittur, Palakkad	SCERT	2006	80%

Work Experience

- **Software Engineer**, Surukam Analytics, Chennai
  August 10, 2015 - Present

  - Individually handled Backend of company's main product

  - Worked as a Team member in other company products and client projects

  - Frontend Developer

  - Major work:
    - *Information Extraction from legal documents*
    - *Information Extraction from passport*
    - *Metadata Extraction from e-journals*
    - *Chat Bot for FAQ's*

- **Technical Assistant**, Polpully Gramapanchayat, Palakkad
  September 15, 2012 - November 4, 2013

- – Server administrator and technical support for e-governance.

- **Teaching Assistant**, *as part of M.Tech program*

  - – Network Programming in JAVA.

- **Moodle Administrator**, *as part of M.Tech program*

  - – For incorporating e-learning in CSE Department, GEC.

Area of Interest

- Machine Learning, Natural Language Processing, Information Extraction, Text Mining, Data Analytics, Software Development.

Skills

Programming Language	Java, LaTeX, C, C++
Scripting Language	Python, Shell Scripting
Operating System	GNU/Linux, Windows
Language Processing Tools	NLTK, Scikit-learn, Stanford CoreNLP, Weka
Web Development Framework	Flask
Server Side Computing/ Internet Technologies	HTML, Javascript
Database Management System	MYSQL
Programming Environment	Eclipse, Python IDLE
Apache Products	Tomcat, Pdfbox, Solr
Cognitive Technology	IBM Watson
Cloud computing platform	Microsoft Azure, AWS
HTML, XML Processing Packages	Elementtree, Beautifulsoup
OCR	Tesseract, Abby
Image Processing Tools	OpenCV, Python Imaging Library(PIL), scikit-image

Publications

- **"Word Sense Disambiguation in Malayalam using Memory Based Approach"**, Rajitha K, Sruthi Sankar K P and P C Reghu Raj. In 2nd National Conference on Recent Advances in Engineering and Technology (nCORETech-2015), 20,21 January 2015, LBS College of Engineering, Kasaragod, Kerala.

- **"Classifying News Article Headlines in Malayalam using Machine Learning Approach"**, Rajitha K, Sruthi Sankar K P and Naseer C. In National conference on Advances in Engineering Techniques (NCAIET-2k15), 13 February, 2015, Sri Vellappally Natesan College of Engineering, Mavelikara, Kerala.

Workshops and Training Programmes

- National Conference on Computational Linguistics and Information Retrieval(NC-CLAIR-2015), Govt. Engineering College, Palakkad.

- National Conference on Recent Advances in Engineering and Technology(nCORETech-2015), LBS College of Engineering, Kasaragod.

- Industrial Training programme on *Recent Trends in Computational Linguistics and Machine Learning* at IIITM-K (May 5-20, 2014).

- Workshop on *Research Methodology and Intellectual Property Rights* (November 21-23, 2013).

- Workshop on *Clouding* (January 6-8, 2014).

- Workshop on *Soft Computing* (January 9-11, 2014).

- Workshop on *Python for Scientific Computing* (March 8-10, 2012)

- Talk by Dr R Kalyana Krishnan, Rtd Professor, CSE, IITM on *Text Processing and Various Issues Associated*. (16 September 2014)

- Session on *Technical Report Writing* by Dr. K P Mohandas. (13 November 2014)

Projects

- **Topic Detection and Tracking in Malayalam.**
  (*As part of M.Tech Main Project(Pursuing), Place: C-DAC, Trivandrum*).
  Automatic techniques for finding topically related materials in streams of data in Malayalam.

- **Word Sense Disambiguation in Malayalam using Machine Learning.**
  (*As part of M.Tech curriculum during Industrial Training from IIITM-K*).
  The work aims at disambiguating Malayalam words which has different meanings.

- **CAD for VLSI on Open source framework.**
  (*As part of B.Tech curriculum*).
  Familiarizing different open source CAD tools for VLSI design and converting the design from one abstraction level to another.

- **Implementation of Open-ERP facility and customization for the institution.**
  (*As part of B.Tech curriculum*).
  To implement Open-ERP for customization for educational institutions.

Seminars

- Clustering Sentence Level Text Using A Novel Fuzzy Relational Algorithm. (*As part of I semester M.Tech curriculum*).

- Deep Learning in Speech Synthesis(*As part of II semester M.Tech curriculum*)

- Advanced Communication Through Flesh RedTacton. (*As part of B.Tech curriculum*).

Personal Details

- Father's Name   : Krishanankutty K
- Mother's Name   : Shivabhagyam M

- Date of birth   : 07-05-1991

- Gender   : Female

- Nationality   : Indian

- Marital Status   : Single

- Languages known : English, Malayalam, Tamil and Hindi

- Hobbies   : Glass painting, Craft making, Fabric Painting, Stitching, House Keeping and Gardening

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Chennai
January 16, 2017   Rajitha K