

APURVA BHARATIA

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SUMMARY

Computer Science masters' student, with industry experience in software engineering, actively seeking full time opportunities May 2020 onwards.

EDUCATION

MCS, Big Data Concentration

(Arizona State University)

Graduating in May 2020

3.63/4 GPA

B. Tech Computer Engineering

(Savitribai Phule Pune University, India)

Graduated in May 2017

7.67/10 GPA

Data Science workshop (40 hours)

Jan 2016

TECHNICAL SKILLS

Programming : Python, Java, C, Javascript, d3.js, html, CSS, node.js

Data Science and Analytics : R, Python, Jupyter notebook, basic Hadoop, Pentaho, Weka, Tableau, Matlab, Yamcha, DialogFlow

Other : Git, JIRA, Unity 3D (Game development) , .NET, SQL, Shell scripting

PROFESSIONAL EXPERIENCE

Zuora RevPro, San Jose, California, United States.

Integration Development Intern

June 2019 - August 2019

- Working on seamless integration of customers' cloud data from ERP systems like Oracle NetSuite and Salesforce to private cloud using Integration Platforms by cleaning data, performing validations and scripting using Groovy, Javascript, RESTful APIs and SuiteLet.

Finastra, Financial Software Solutions, Bengaluru, India.

July 2017-May 2018

Associate Software Engineer

- Java developer in the 'Billings and Payments Team' of a syndicated lending product called 'Loan IQ'.
- Fixed critical bugs and contributed towards optimizing existing code.

Finastra SuperHacka 2018 Finalist, London

April 2018

- Handled back end while creating a prototype of a tool that extracts information from legal documents and enters into Loan IQ (Finastra product) as a part of a 3 member team.
- Reached the top 13 out of 200 teams competing from 9 international locations.

Larsen and Toubro Infotech, Pune, India.

May 2016-Aug 2016

Advanced Analytics Team, Intern

- Created a resume matching system to match current employees with upcoming Projects based on skill requirement of the project using R and Java.

ACADEMIC PROJECTS

Medical Entities Relationship Extraction

Dec 2018

- Used deep learning, specifically an Attention-Based Bidirectional Long Short-Term Memory Network (Att-BLSTM) to learn semantic features automatically and train the model accordingly. We evaluated the accuracy of the our model on i2b2-2010 clinical relation extraction challenge dataset.
- Languages : Python (TensorFlow, PyTorch)
- Key concepts : Att-BiLSTM, CRF, Word2Vec for word embeddings.

PEARL : Interactive Visualization tool for emotional analysis

Dec 2018

- A tool to view the moods of a person based on the semantic, emotional and temporal similarity between their tweets.
- Languages : Python, d3.js, html
- Key concepts : Emotion analysis using Plutchik's wheel of emotions concept, NRC Lexicon, Valence-Arousal-Dominance Lexicon, lemmatization, using wordnet for finding synonyms, clustering tweets using constrained co clustering (Using COP Kmeans), Latent Dirichlet Analysis for topic mining.
- Visualization : Achieved interactivity between stream graph and brush using d3.js, svg, html.