

KEDAR PRABHU

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SUMMARY

Backend developer with 4+ years of experience in Java/Python, seeking role related to Data Visualization and Analysis. I hold an H-1B visa and I am open to relocation.

WORK EXPERIENCE [4+ years]

PlayStation Network - Sony Interactive Entertainment (SIE)

[May, 2015 – Present]

Title: Software Engineer

Role: Developing Java RESTful APIs with NoSQL databases and AWS. Using Python to develop Sony internal tools to carry out load testing on the APIs. Performing Load Analysis on the server impacts from the API calls made by using Python packages (pandas, matplotlib). Creating both unit and integration tests in Java TestNg framework.

The Interaction Lab, USC (Los Angeles, CA)

[May, 2014 – April, 2015]

Title: Technical assistant at the Robotics Lab

Role: Performed Feature Extraction, Data Visualization and Statistical Analysis on Interactions between humans and robots. Used tools like Scikit-learn package (Python), WEKA, Orange, R studio and Praat.

TATA Consultancy Services Ltd. (Mumbai, India)

[Jun, 2012 – Nov, 2013]

Title: Assistant System Engineer

Role: Developed Backend modules in Java/Python. Worked on IBM's DB2 using Java (JDBC) and Python (PyDB2).

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL/CQL, R language, MATLAB, Praat

J2EE Technology/tools: REST APIs, Spring framework, Java Beans (EJB), maven, Jenkins, Git, AWS, TestNg

Data Analysis tools: R studio, Orange, WEKA, Python packages (pandas, matplotlib, Scikit-learn)

Databases: Cassandra, Redis, Solr/SolrCloud, Couchbase, MySQL

EDUCATIONAL RECORD

University of Southern California (USC), Los Angeles, CA

[Dec, 2015]

Master of Science, Computer Science (Data Science)

B.V.Bhoomaraddi College of Engineering and Technology, India

[May, 2012]

Bachelor of Engineering (Electronics & Communication)

Global Indian International School, Singapore

[May, 2008]

International Baccalaureate Diploma (IB)

PROJECTS

Click-Through Rate Prediction (MATLAB, Java)

- Implemented Click-Through Rate (CTR) prediction using Machine Learning techniques with Big Data
- Blog: <http://www.ctrpredicted.blogspot.com/>

Emotion Detection based on Human Speech (Praat, Python, R, WEKA)

- Performed Feature Extraction and Feature Analysis on human speech data to classify the speaker's emotion
- Blog: <http://emotiondetected.blogspot.com/>

Text Classification using Machine Learning Techniques (MATLAB, Python)

- Programmed Naïve Bayes classifier in MATLAB to classify emails based on SPAM/Not SPAM
- Scripted Naïve Bayes classifier in Python to perform Sentiment Analysis

Mobile device game development (Unity3D, C#)

- Developed an Android/iOS mobile game using Unity3D tool
- YouTube video trailer: <https://www.youtube.com/watch?v=rxUhIKzdESg>