Vaibhavi Awghate

Software Developer and Data Scientist
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CAREER OBJECTIVE

Seeking a position as Data Science Intern utilizing data analysis skills, abilities and experiences gained through relevant education and projects to contribute to the ongoing success of company.

CORE COMPETENCIES

- Excellent problem-solving skills
- Data Structures and Algorithms
- Prototyping
- Big Data Analytics
- Object Oriented Design
- Software Design
- Data visualization
- Testing
- Web Services

TECHNICAL SKILLS

Programming Languages: Python (numpy, scikit, matplotlib, pandas), R, SQL, NoSQL, MATLAB, Java, J2EE, HTML, JavaScript, CSS

Tools: PyCharm, RStudio, Tableau 10, Weka, DB2, MySQL , MongoDB, MATLAB, Eclipse, Netbeans, GitHub

EDUCATION

Rochester Institute of Technology, NY Expected Dec 2017
Masters of Science in Computer Science, CGPA: 3.39 /4.0

Shri Ramdeobaba College of Engineering and Management, Nagpur, India 2015
Bachelors of Engineering in Computer Science, CGPA: 7.8 /10.0

WORK HISTORY

Persistent Systems, Nagpur, India Aug 2014 – Feb 2015
Software Developer Intern

- Research on the usage of **Leap Motion device**.
- Developed "Tic Tac Toe" game using Leap Motion device in a team of 3 **(JAVA, AGILE)**.

ACADEMIC PROJECTS

Classification of SOAP Web Services (PYTHON) Jan 2017 – May 2017

- Extracted and pre-processed data from OWL documents using **NLTK** package.
- Calculated TF-IDF and semantic related matrix using **SciKit Learn** package.
- Classified and compared models using Random Forest, k-NN, ANN, Naïve Bayes and decision trees.

Gender Recognition by Voice (R) Jan 2017 – May 2017

- Developed an application to recognize the gender of a person using acoustic properties.
- Performed feature selection using **Principal Components Analysis (PCA)** for improved efficiency.
- Classified and compared models using OneR, CART, Random Forest, and Adaboost.

Human Resource Analytics (Tableau 10, R) Jun 2017 – Jul 2017

- Developed an application to explore the reasons of employees leaving companies prematurely.
- Created multiple data visualizations using **Tableau 10** to analyse data.
- Classified and compared models using J48, Naïve Bayes and Random Forest.

Prediction of household energy consumption (WEKA) Sep 2016 – Dec 2016

- Developed a data model using supervised learning method to foresee the consumption of energy.
- Pre-processed data by replacing missing values by **mean values** giving accuracy of 87%.
- Compared the results of J48, Random Forest and Naïve Bayes.

License Plate Recognition (MATLAB) Sep 2016 – Dec 2016

- Developed an application to read characters on a yellow license plate.
- Pre-processed license plate using **histogram projection** obtaining an accuracy of 81%.
- Applied Optical Character Recognition on processed license plate.

An Intelligent Navigation System (PYTHON) Jan 2016 – May 2016

- Developed an application to provide shortest walking distance to commuters in RIT Computer Science Department.

INDEPENDENT PROJECTS

Human Activity Recognition (R)

- Developed data model using supervised learning method to identify the human activity using embedded accelerometer and gyroscope readings in a smartphone.
- Pre-processed data using **dimensionality reduction** and used **Random Forest** classification algorithm.

CERTIFICATIONS

- **Advanced SQL for Data Scientist** – *Lynda.com*
- **Tableau 10 Essential Training** – *Lynda.com*