

## Vaijyant Tomar

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### WORK EXPERIENCE

#### **Infosys Ltd. (Pune, India)**

Systems Engineer

July 2015 – December 2016

- Created and tuned various Informatica mappings to validate the data against business rules, extract lookup values and enrich the data as per the mapping documents.
- Developed various Informatica Workflows to load the data from upstream systems and Sybase datastores.
- Created complex mappings in Power Center Designer using *Expression*, *Filter*, *Sequence Generator*, *Joiner* and *Stored procedure* transformations. Created *connected* and *unconnected Lookup* transformations to look up the data from the source and target tables.
- Tuned Perl scripts to achieve business logic. Added and enhanced GUI of the application using PowerBuilder.
- Worked in an agile environment gaining experience in software development lifecycle and JIRA.

#### **Infosys Ltd. (Mysore, India) (Internship)**

February 2015 – June 2015

- Responsible to create GUI and structure the web application, coded the server-side scripts in PHP to accomplish business logic, documented test cases in excel file and created a report in Word document format.
- Implemented best coding practices by having peer review from both the team and the supervisor.
- Received training in Open Source Technologies – Java, Unix, PHP, MySQL.

#### **Indian Institute of Remote Sensing (Dehradun, India) (Internship)**

May 2014 – July 2014

- Developed Multi-Modal Road Transport System for Dehradun City using Open Source Tools – ArcGIS and OpenStreetMap.
- Parsed OSM XML data source files to retrieve geo coordinates.
- Contributed to OpenStreetMaps by adding three landmarks on their maps.

### PROJECTS

- **Emotion Detection in Speech:**
  - Extracted human emotion from a human speech, in the English language, by extracting acoustic features.
  - Implement classification models such as Random Forest, Support Vector Machine, K-Means clustering, and Neural Network along with tuning the hyperparameters for the algorithms.
- **Android Applications:**
  - Worked on Android AsyncTask service to update the ListView screen.
  - Consumed REST web services and accessed various Google APIs.
- **Loan Dataset Analysis:**
  - Performed Exploratory Data Analysis on Loan Dataset from Kaggle.
  - Implemented CRISPDM and developed Logistic Regression, Random Forest, and Decision Tree models.
- **University portal:**
  - Django framework and MySQL database were used for the application development.
  - Used software modelling techniques such as UML Diagram, Use Case diagram, ER Model, Sequence diagram.
- **Wordament:**
  - Developed Python GUI Desktop application using pyGame Python library.
  - Developed event-driven and dynamic functionality to the application.
- **Java J2EE Web Application: Bookstore, Notes**
  - Developed J2EE Web Applications using MVC architecture and implementing JDBC-ODBC bridge to access MySQL database.
  - Developed GUI using HTML, CSS, and JavaScript.
- **CopyToFlash**
  - Developed Java GUI application to transfer a file from system to all connected flash drives.

### TECHNICAL SKILLS

**Development:** Java, C, Python, C#, Perl, PHP, R, SQL, .NET Android, Google Maps API, Firebase, JSON, XML, Autosys, PuTTY.

**Web and Servers:** Bootstrap, jQuery, Django, JSP, HTML, REST, CSS, JavaScript, Node.js, Apache Tomcat, IBM WASCE.

**Database:** MySQL, PostgreSQL, Sybase, SQL Server, Oracle, JDBC-ODBC.

**Business Intelligence:** Informatica PowerCenter 10.1, SSIS, Tableau, IBM Cognos.

**Machine Learning:** Pandas, Scikit-learn, NumPy, Matplotlib.

**IDE:** IntelliJ IDEA, Eclipse, NetBeans, Visual Studio, Android Studio, Spyder, PyCharm, PowerBuilder.

**Project Management:** JIRA, Agile, Maven, Gradle, Perforce P4V, GitHub.

### EDUCATION

#### **Master of Science in Computer Science**

University of North Carolina Charlotte, Charlotte, North Carolina

May 2018

3.9/4.0

#### **Bachelor of Technology in Computer Science & Engineering with Honours**

Dehradun Institute of Technology, Dehradun, Uttarakhand, India

July 2015

80.36/100