

EDUCATION

Master of Science in Computer Science	May 2018
University of North Carolina Charlotte, Charlotte, North Carolina	3.9/4.0
Bachelor of Technology in Computer Science & Engineering with Honors	June 2015
Dehradun Institute of Technology, Dehradun, Uttarakhand, India	80.36/100

TECHNICAL SKILLS

Development: Java, Python, C, Android.

Web and Servers: JSP, J2EE, Django, HTML, REST, JSON, XML, CSS, JavaScript, Bootstrap, jQuery, Node.js, Apache Tomcat

Database: SQL, MySQL, Sybase, SQL Server, Oracle, Firebase (NoSQL), JDBC-ODBC.

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.

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 requirement. Added and enhanced GUI of the application using PowerBuilder's object oriented language Powerscript.
- 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, PHP, Unix, 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

- Java J2EE Web App: Bookstore, Notes:**
 - Developed J2EE Web App using MVC architecture and implementing JDBC-ODBC bridge to access MySQL database.
 - Developed GUI using HTML, CSS, and JavaScript.
 - Link: <https://github.com/Vaijyant/DbS> , <https://github.com/Vaijyant/Notes>
- University portal:**
 - Python 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.
 - Link: https://github.com/Vaijyant/rep_SSDI
- Android Applications: Calculator, Movie Search, Trivia quiz app, Course Manager:**
 - Worked on Android AsyncTask service to update the ListView screen.
 - Consumed REST web services and accessed various Google APIs. Link: <https://github.com/Vaijyant>
- Wordament:**
 - Developed Python GUI Desktop application using pyGame Python library.
 - Developed event-driven and dynamic functionality to the application.
 - Link: <https://github.com/dharak029/wordament>
- 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. Link: <https://github.com/Vaijyant/CHBM>
- Loan Dataset Analysis:**
 - Performed Exploratory Data Analysis on Loan Dataset from Kaggle.
 - Implemented CRISPDM and developed Logistic Regression, Random Forest, and Decision Tree models.
 - Link: https://github.com/Vaijyant/rep_KDD