

# Divya Sravani Vukkusila

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📍 Portland, Oregon

## EDUCATION

**Portland State University, Portland, OR**

**August 2018 – March 2020**

*Master of Science, Computer Science*

CGPA: 3.90 / 4.00

- Courses: Algorithms and Complexity, Introduction to Database Management Systems, Software Engineering, Agile & Extreme Programming, Cloud & Cluster data management, Internet & Cloud Systems, Site Reliability Engineering, Concepts of Operating Systems, Machine Learning, Database Management Systems Implementation, Principles of Programming Languages, Internetworking Protocols.

**Osmania University – Hyderabad, India**

**Sept 2009 – May 2013**

*Bachelor of Engineering, Electronics and Communications Engineering*

## TECHNICAL SKILLS

- *Operating Systems: Linux, Windows.*
- *Programming Skills: **Java**, RDBMS & SQL, Oracle PL/SQL, Shell Scripting, C, C++, Perl.*
- *Technologies: Spring, Hibernate, Front-end, Eclipse, SOAP, XML, JMeter.*
- *Miscellaneous: GIT, SVN, Software development cycle (waterfall & agile model).*

## PROFESSIONAL EXPERIENCE

**Software Engineer, NetCracker Inc.**

**July 13 – Feb 18**

Contributor for team tasked to design and develop [NetCracker's](#) Rating and Billing Manager (RBM) majorly using **Java, J2EE, PL/SQL**. The product primarily provides real-time computation for services utilized and their billing. The product is an effective tool is used by most telecom service providers like T-Mobile, AT&T, Verizon, British Telecom, etc.

- Design, develop, evaluate and test key product features/components of our platform.
- Participate in projects to improve product architecture, robustness and enhance performance.
- Collaborate with Clients, Operations, and other Engineering teams to triage, prioritize and resolve issues.
- Contribute to the development of engineering best practices and understanding of newer technologies.
- Development mostly based on knowledge of: **Java, J2EE, PL/SQL, Oracle 11g and SOAP API**.
- Cleared Subject Matter Expert (SME) in Oracle PL/SQL.

**Intern, Imagination Technologies.**

**Oct 12 – March 13**

Worked towards explore, design, experiment and develop new signal processing solutions to enhance the existing firm's Wireless communications solution. The project primary was emulated on MATLAB and focused on Speech enhancement.

**Project: Design and Development of Speech Enhancement Techniques using MATLAB**

## PROJECTS

- **Internet Relay Chat (Java, TCP/IP & FTP):** November 2018  
Implemented multi-client chat application that handles group chat & file sharing, using socket programming.
- **Database Benchmarking Project (SQL):** March 2019  
A simple experimentation of various query optimization techniques and configurations to improve Database performance on a database with over 10 million rows and multiple tables.
- **Kaggle: Brazilian e-commerce Database (SQL):** November 2018  
Simple multi-user transactional database use for storing, de-normalizing, optimizing & querying a dataset of 100k rows
- **Breast Cancer Detection (Python, Logistic Regression, K Means, Multi-Layer Perceptron):** April 2019  
Compared accuracies among three different algorithms with 3000 epochs. LR – 93.05%, K Mean – 89% & MLP – 91.23%
- **Simple FTP client (Python, pysftp):** April 2019  
CLI tool to upload, rename, copy, list & delete files and create & delete directories with saved connections information.
- **Battle Code 2019, MIT's premier programming competition (JavaScript):** January 2019  
Battle Code is a real-time strategy game, where your program plays against an AI player. This involved coming up with a strategy using various concepts like pathfinding algorithms, network communications, etc.