

**Sushmita Mitkar**

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## **Objective**

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Enrich my knowledge and nurture my analytical and technical skills in an organization that provides motivation, upward mobility and exposure to Innovation and Business process.

## **Professional Profile**

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- Joined as Software Engineer Trainee in **July 2017, in Netcracker Technology.**
- Working as a Developer in **Oracle (SQL, PL/SQL)** for Data Migration projects.

## **Professional Synopsis**

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- Domain expertise in Telecom Resource Inventory, Product Offering Catalog and Rating and Billing Systems.
- Good understanding of the database and its behavior and analyzing issues related to Database.
- Good Leadership skill and self-motivation.

## **Projects**

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### ➤ **Web Scraping of 500 different companies stock prices**

- Programming Languages: Python ,pandas, numpy
- Key Terminologies: Web Scraping, BeautifulSoup, Data Cleaning, Data Analysis
- Development Tools: Jupyter Notebook

This is a simple application where we first extract the necessary company hyperlinks and their features and later clean the data to prepare it for machine learning models to be applied.

[Github:<https://github.com/sushmita77/Stock-Price-Web-Scraping-Python-Basic-Tutorial-Using-Beautiful-Soap> ]

### ➤ **Twitter Sentiment Analysis**

- Programming Languages: HTML, Python, Flask
- Key Terminologies: Sentiment Analysis(Textblob)
- Development Tools: Jupyter Notebook

This is a simple application to find out any interesting text on twitter using Twitter API and then predict if it has a positive or negative impact based on user tweets using sentiment analysis.

[Github: <https://github.com/sushmita77/Basic-Twitter-Sentiment-Analysis>]

### ➤ **Boston House Prediction with Linear Regression**

- Programming Languages: Python ,pandas
- Key Terminologies: Machine Learning Supervised Linear Regression
- Development Tools: Jupyter Notebook

This program helps us to predict the prices of houses in Boston depending upon various input features.

➤ **Smart Water Dripping System for Agriculture (Final Year Project) | Embedded & IoT**

- Development Platforms: Arduino, Wi-Fi Module
- Key Terminologies: Data Mining Classification
- Programming Languages: HTML, CSS, C++, jQuery, JavaScript, PHP
- Development Tools: phpMyAdmin, ArduinoIDE

This system is beneficial to the farmers to irrigate the farms efficiently using an automated irrigation system based on sensors and ensure water conservation by watering field only when required. A web application helps the farmer to remotely activate the motor. Depending on each crop type an adequate amount of water is supplied and the motor gets deactivated automatically. This system also uses data mining algorithms to provide suggestions for fertilizers.

➤ **Event Management System (Mini Project) | Desktop Application**

Database: MySQL

Languages & Tools Used: Java (NetBeans)

An application to keep track of centralized information of various events conducted in different colleges.

## Android Projects

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➤ **HealthQuad (Application| Java Android Studio)**

Developed and published on the Play Store. This app is an easy way to keep track of all health-related activities like notifications regarding timely medicine consumption, monitor the intake of water glasses per day and follow diet plan by simply storing it.

➤ **Bill Management System (Application)**

Database: SQLite

An application which helps the user to track their monthly expenses, visualize their monthly savings graphically and thus helping them to manage their expenses. Assigns reward points for better performance by the user and also helps one to scan their bills and save them to the app.

➤ **Robocon (Application)**

Database: Google Firebase

An application which helps users search upcoming Robocon events by their cities. This also allows the registered users to add any upcoming events or Robocon trainings to be conducted at any location worldwide. Helps the user view correct venue details for upcoming competitions/trainings via Google Maps.

## Skills Set

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- **Languages** : Java, Python ,C++, XML, JavaScript, jQuery, CSS, PHP, R,
- **Database** : MySQL, MongoDB, Firebase
- **Additional** : Servlets, Spring MVC, Aspect Oriented Programming
- **Web Services** : REST and SOAP
- **Tools & IDEs** : SQL Developer, NetBeans, Eclipse, Android Studio
- **OS** : Windows UNIX

## Academic Profile

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- **B.E Computer Engineering** from MIT College of Engineering, Pune  
Aggregate: 80.73% (Course: 2013-2017)
- **H.S.C.** from S.M Choksey Junior College, Pune  
Percentage: 89.83% (Year of Passing: 2013)
- **S.S.C.** from St. Anne's High School, Pune  
Percentage: 92.00% (Year of Passing: 2011)

## Achievements

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- Received Netcracker Technology award- Spotlight in quarter Q4 17-18
- Department Topper Appreciation (FE, SE, TE, BE).
- Android & Firebase Trainer Appreciation from Army Institute of Technology, Pune

## Paper/Seminar

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- Paper published on "Smart Drip Irrigation System" with IEEE sponsored I2CT National Conference.
- Paper presentation at "National Conference on Machine Learning & High-Performance Computing 2016 (NCMLHPC-2016), MITCOE on topic "Autonomous Vehicle Collision Avoidance Using Ultrasonic Sensors and Fuzzy Steering Controller".

## Project Details

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I have worked for Data Migration Project for Virgin Media.

**Duration:** 6 Months

**Team Size:** 4

**Technology Used:** SQL/PLSQL, TOMS Platform

**Role:** Developer

**Description:** Virgin Media BADGER data consists of millions of customers and requires migration of their physical as well as logical inventory data into our target systems. Various input source file types from legacy systems are handled and the entire ETL process is carried out in iterations. The parental Virgin Media ICOMS deals with migrating all the customer premise locations and services, thus sync between the data of two migrations becomes mandatory.

### Contributions:

Responsibilities in the project were –

- To analyze the Source files
- Provide estimate
- Analyze Design
- Coding transformations
- Monitoring jobs on daily basis

- Knowledge sharing and training in the project.

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I have worked for Product Offering Catalog (Migration Projects) for GTD Chile.

**Team Size:** 5

**Technology Used:** SQL/PLSQL, TOMS Platform, RBM Platform

**Role:** Developer

**Contributions:**

- Create Product Offering Catalog, Characteristics and categories.
- Participated in analyzing loader files and in reporting.

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I am currently working for Integration Cluster (Post Production Support Projects) for Telefonica.

**Team Size:** 6

**Technology Used:** Java, Web Services, Shell scripts, Unix, SQL/PLSQL, TOMS Platform

**Role:** Developer

**Contributions:**

- Creating Activation and TBI scripts.
- Creating and handling Web Services connection with third parties.

## **Extra-CURRICULAR**

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- Participated and worked in the organizing committee of FUDCon 2015 International conference.
- Member of Social Organization “#WithYou”.
- Participated in Inter-Department Football and Throw ball matches.
- Participated as volunteer in Bhartiya Chhatra Sansad.
- Participated in IEEE Region 10 Logo Design Contest in MITCOE Pune, 2015.

## **Hobbies**

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- Craft and arts
- Painting
- Trekking