# SWARNIM DIXIT
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## SUMMARY

Python developer having 2.5+ years of experience in Design, development and maintenance of efficient, reusable and reliable software using Python and Django. Followed Agile principles for Application development, also given demo of the deliverables with key stakeholders. Ensured the successful QA of the product before delivery.

## TECHNICAL SKILL

| | |
|---|---|
| Languages : | Python, Django, HTML, Javascript, CSS,  C/C++, |
| Database: | SQL, mySQL |
| Tools : | SQL Developer, TOAD, Netbeans, Visual Studio, Android Studio, Xcode, JIRA,  SVN, AWS (Amazon web Services), Google Maps |
| Operating Systems : | Linux, MAC, Windows |

## IT EXPOSURE

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|---|---|---|
| **Company** | : | **Trigent Software, Bangalore** |
| **Designation** | : | Software Engineer |
| **Duration** | : | Sep 2016 –Till Date |

| | | |
|---|---|---|
| **Organization** | : | **CDAC, Advanced Computing Training School Bangalore.** |
| **Designation** | : | Trainee |
| **Duration** | : | Feb 2016 – Aug 2016 |

## PROJECTS

### I.  www.wheresthebus.com

| | | |
|---|---|---|
| **Company** | : | Trigent Software, Bangalore |
| **Domain** | : | Transport/Fleet Management/ Location based services |

**About the Project    :**        *www.wheresthebus.com* is a US based Fleet management website for school buses, running across 60 districts of USA. The aim is to make the school bus-riding experience a safer, more efficient, and convenient process for parents. The parents and school administrators can view real-time data generated by school buses like their whereabouts, headings etc. The project's APIs were written on legacy architecture in python.

**Tasks Performed**      :

> Updated project from python 3.3.3(2014) to python 3.7.2 (2018). By listing and changing all the functionalities, keyword and approaches which are deprecated or changed.
> Worked with the team migrating project to AWS server.
> Worked on optimization and development of new mysql queries to be faster than before.
> Enhancement of  Google Maps and Offline OSM maps as well.
> Coding for Google maps to show geozones, realtime bus activities etc.
> Design and Development of various reports which displays bus route history, deadheads, student counts, slack time, unexpected stops etc.

**Team Size**            :        **6**

**Roles and
Responsibility        :**
- ➢ Analysis and fixing of existing bugs in product suits.
- ➢ Mostly responsible for designing and development of reports
- ➢ Involved in requirement gathering for future releases.
- ➢ Involved in End to End development.
- ➢ Interacting with the client on regular basis.
- ➢ Production support & Release activities.

**Duration        :        Feb. 2016 to present**
**Technologies
And tools        :        python web services(REST) and scripting, MySQL,Google maps**

## EDUCATIONAL CREDENTIALS

| Level | Stream | Institute | Board/University | Passing Year | Degree % |
|-------|--------|-----------|------------------|--------------|----------|
| MTech | Software Engineering | Patel Institute of Technology, Bhopal (MP) | RGPV, Madhya Pradesh | 2015 | 77.5 % |
| BE | Computer Science & Engineering | Patel College Of Science & Tech Bhopal (MP) | RGPV, Madhya Pradesh | 2009 | 63.84 % |
| XII | PCM | Kopal H.S school, Bhopal (MP) | Board of Secondary Education, Madhya Pradesh | 2005 | 53.77 % |
| X | General | Kopal HS School, Bhopal (MP) | Board of Secondary Education, Madhya Pradesh | 2003 | 60.00 % |

## PROJECTS UNDERTAKEN

**MTech. Thesis Project**
Tile:        Lossless Image Compression Technique Using Improved PCRT Method
Platform:        MATLAB
Description:        The dissertation aims to develop an efficient lossless image compression technique. The problem of reducing the amount of data required to represent a digital image. Using efficient clustering and optimization algorithm.
        Proposed Hybrid algorithm is a combination of: - *Discrete wavelet transform function 2D, Particle of swarm optimization, K-mean clustering, HCC code book.*

## PERSONAL VITAE

Date of Birth        :        13th July 1987
Father's Name        :        Lt. Mr. Mukesh Dixit
Mother's Name        :        Mrs. Asha Dixit
Marital Status        :        Single
Languages Known        :        English & Hindi
Address        :        Indira Nagar, Bangalore.

**Place: - Bangalore**                                                **SWARNIM DIXIT**

Date: - 31 March 2019        ―――――――――――――――――