

# Aditya Bagad

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## EXPERIENCE

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### Red Hat

Dec 2019 – Present

#### *Data Engineering Intern*

- Worked with the Global Finance, Planning and Analytics team to analyze and support the business decisions.
- Automated various business processes using Python and SQL to save hours of manual work, and setup Airflow jobs to automate data extract and loads.
- Responsible for continuous improvement of ongoing reporting and analysis processes, and providing support for ad hoc requests from the business users and stakeholders.
- Created data pipelines to be used in daily/weekly/quarterly reports and tableau dashboards.
- Created and maintained various tables in the AWS RedShift database which are ready to use for the analysts.

#### *Software Development Intern*

- Design and Developed applications using Oracle PL/SQL and Oracle Application Express (APEX).
- Automated the process to perform the outage checklist to ensure that jobs and processes are running fine in the system which **reduced the outage downtime by 20 minutes** and also **removed human resource dependency**. An email notification with the results of the checklist was sent to the entire team.
- Automated the process of creation of EBS Accounts for contract/contingent workers who join the organization this helped in **reduction of service now tickets** and significantly **reduced follow up time**. An Email notification was sent to the employee and their respective manager about the creation of account.
- Developed dashboards using Oracle APEX for the business users in the organization.
- Worked in an agile scrum software development environment.

### The Codeinky Academy

Sept 2019 – Nov 2019

#### *Python Instructor*

Pune, Maharashtra

- Created and curated curriculum to improve the learning curve of students to learn python.
- Conducted online sessions for the students in the age of 9-14 years.

## PROJECTS

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### **Investment Management System** | *Python, Django, SQLite3*

- This web application is made for Mutual Fund Distributors. They can add new clients and mutual funds. They get the live NAV of the mutual funds from the Official AMFI website.
- The distributors can keep a track of the funds allocated to their clients. They can also download reports of particular clients in the form of pdf.

### **Vehicle Traffic Analysis System and Analytics** | *Python, Flask, MySQL*

- In this project vehicles are detected from a surveillance video camera and then classified into HMTV, LMV and SMV using Python and OpenCV API. Vehicle data is stored in a MySQL database.
- Analytics Dashboard is built using Flask and Google Charts are used to render graphs.

## TECHNICAL SKILLS

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**Programming Languages:** Python.

**Frameworks / Libraries:** Django, Flask, Pandas, NumPy.

**Databases / Data Warehouses:** Oracle SQL, AWS RedShift.

**BI Tools:** Power BI, Google Data Studio.

**Version Control:** Git.

**Other:** Apache Airflow, MS Excel, Web Scraping, Windows OS, Linux distros.

## ACHIEVEMENTS

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- Won **First Place** in **System Design Competition** – National Level Technical Event, Dexterity 2019.
- Won **Third Place** in **Research Paper Presentation** – National Level Technical Event, Dexterity 2019.

## EDUCATION

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### **Pune University**

*B.E. in Computer Engineering, CGPA – 7.32/10.*

Pune, Maharashtra

*July 2015 – May 2019*