PIYUSH BAG

Mumbai, MH

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EMPLOYMENT

Systems Engineer	**Tata Consultancy Services**	**December 2016**

Software Developer - 3.6 Years of Experience

- Built an eCommerce website using Python in Django Framework, Django REST Framework and Bootstrap 4.
- Created a REST API using SQLAlchemy and Flask-Marshmallow with POSTMAN
- Created Packages, Procedures, Functions, Triggers and Cursors for implementing complex business logic (Developed a procedure for HR portal to move 300 new users in DB, eliminated the manual activity of HR team to enter user details from the front end).
- Web based development experience with jQuery, Ajax and various JavaScript frameworks
- Development of REST APIs in Python and MongoDB, providing backend capabilities to interface with OpenStack and other downstream APIs.
- Perform code migration to the code environment and Maintain documentation of production schedules and assist in documenting operational best practices.
- Perform functional and performance testing of solutions
- Working alongside other team members to aid in business analysis, document solution designs and technical writing skills.
- Connect with S3 bucket to download the file with Boto3 library provided by AWS.
- Proficient in Linux, including scripting and deployment of applications in an enterprise environment.

EDUCATION

Mumbai, MH	**University of Mumbai**	**Fall 2012 – May 2016**

St. Francis Institute of Technology, Mumbai
Bachelor of Engineering in Information Technology, May 2016. GPA: 7.05.

- Undergraduate Coursework: Computer Architecture; Artificial Intelligence; Computational Theory, Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus III.

TECHNICAL EXPERIENCE

Projects

- **Recipe API:** Using Test Driven Development (TDD) built RESTFUL API using Django REST Framework, Travis CI and PostgreSQL.
- **BE Project (2015-16):** Secure file sharing system over Cloud Computing Environment
- **Mini Projects (2013-14):** DBMS for movies rating (IMDb), Café Cecilda Website

ADDITIONAL EXPERIENCE AND AWARDS

- **Technical Head (2013 – 2015):** Information Technology Students Association
- **Twice TCS Best Team Award (2017 & 2018)**: Highest Customer Satisfaction Index
- **Twice TCS On the Spot Award (2017 & 2019)**: Process Improvement, Reduced CPU utilization

Languages and Technologies

- **Technologies:** Python 3, Django, Django REST Framework, Flask, ORM: SQLAlchemy, REST APIs, jQuery, JSON, PL/SQL, Oracle 11g, Linux, HTML5, CSS3, Bootstrap 4
- **Tools:** Mantis - Defect Tracking Tool, PL/SQL Developer.
- **Agile Methodologies:** Scrum, Waterfall - Software Development Lifecycle (SDLC).

Hobbies

- Running, Poker, EDM, Crypto currencies