

# RISHABH TIWARI

## SOFTWARE ENGINEER

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Highly effective Python Software Engineer has knowledge of some DevOps tools with some AWS Services. Solid presentation and teaching abilities. Has an engaging personality and is able to effectively communicate complex technical information in easy to understand the language to aid comprehension. Stays constantly current with newly released applications and incorporates them into real life projects. Has a Bachelor's degree in Computer Science and one+ professional years of experience as a Engineer.

## PROFILE

A bike rider who loves to travel, exploring new things in the nature while finding new adventures along the way.

I have found that nothing satisfies me more than working on cutting edge technologies, spreading knowledge with new variations, developing new strategies for the overall growth of the business.

## EDUCATION

### Rajasthan Technical University, 2014-18

Arya Institute of Engineering and Technology  
Bachelor in Computer Science & Engineering  
Marks - 73 Percent

## HOBBIES AND INTEREST

- Teaching
- Bike Riding
- Travelling
- Internet of Things

## TECHNICAL SKILLS

- Programming Language: Python, C, C++.
- DevOps Tools: Docker, Ansible, Git, & JIRA.
- Cloud (AWS): IAM, S3, S3 Glacier, EC2, AMI, Lambda, ECS, RDS, etc.
- Web Development: Django, HTML, CSS, Bootstrap, RESTAPI, MVC, URLMapping, etc.
- Database: MySQL.
- Version Control System: Git, Bitbucket and GitLab.
- IDEs and SDKs: PyCharm, Atom, Visual Studio, Jupyter Notebook, Boto3 & AWS Cloud9.
- Others: Mockups, Wireframes, UML, etc.

## SUMMARY

- Experience in Web Application Development using Django .
- In-depth knowledge of SDLC with Agile.
- Extensive experience of giving online and offline training on Python and on some Frameworks .
- Experience of designing Training, Seminar, and Workshops, and effectively deliver them to working professional and universities students.
- Experience in implementing server-side technologies with RESTful API and MVC design patterns with Django framework.
- Hands-on experience with Docker, AWS Lambda, S3, EC2 .
- Lead small teams dedicated to provide training.
- Experience in providing a good logical Approach for problems.

## WORK EXPERIENCE

Python Developer, July 2018 - Current  
Consultadd Inc

- Followed AGILE development methodology to develop the application.
- Developed GUI using Python and Django for dynamically displaying block documentation and other features of python code using a web browser.
- Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
- Built Database Model, Views and API's using Python for interactive web-based solutions.
- Correspondingly involved in writing REST APIs using the Django framework for data exchange and business logic implementation.
- Worked on front end frameworks like HTML, CSS, Bootstrap for development of Web applications.
- Used Collections in Python for manipulating and looping through different user-defined objects.
- Implemented database access using Django ORM.
- Implemented Django Forms and Forms Validation both predefined and Custom to validate the user entries.
- Placed data into JSON files using Python to test Django websites. Used Python scripts to update the content in the database and manipulate files.
- Utilized standard Python modules such as CSV, itertools, and pickle for development.
- Build SQL queries for performing various CRUD operations like create, update, read and delete.
- Used the Python's modules Numpy, Matplotlib, Pandas, etc. for generating complex graphical data, creation of histograms, etc.
- Wrote python scripts to manage AWS resources from API calls using BOTO SDK and also worked with AWS CLI.
- Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
- Wrote the Lambda function in Python to trigger API gateway for an API to fetch the data stored in S3.
- Used Amazon Elastic Beanstalk for the deployment of an application for testing.
- Implemented a secure environment by creating Amazon Custom VPC with both Public and Private Subnet for testing the environment.
- Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage, etc. to take recommended actions for better performance.
- Configured AWS Multi-Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA
- Used S3 life cycle management policies for the betterment of data and its billing on AWS. Moved the data from S3 Standard to S3 Infrequent Access to S3 Glacier.
- Extensive code reviewing using GitHub pull requests, improved code quality, and conducted meetings among peer.
- 6 Times - Conducted 25 Days of Training on Python Advance course with Labs and Assignment.
- 2 Times - Conducted 60 Days of Training on Internet of Things while giving hands on multiple projects

# INTERNSHIP & WORKSHOP

- 60 Days of Offline Internship from June 01 - July 30 from “Techinest Pvt. Ltd.” in Internet of Things.
- 60 Days of Offline Internship from June 01 - July 30 from "Centre of Development of Advance Computing" in Application Development.
- Attended AWS innovate held in Mumbai

# ACCOLADES

- Selected by Unlimit a Reliance Goup to pitch the the IoT idea at Hackathon.
- Two time champion in Robtics in College.
- Worked as a chapter leader in “STUDENT TECH CELL”- Community of college.
- Worked as a Trainer of IoT in CDAC a government institute for two months (IoT with Python).
- Worked as Head Coordinator for all the events held in CS stream in my college.
- Appointed as Head Student to deal with instruments in Robotics lab in College..

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