



Rahuldev Sarkar

Python Developer (Artificial Intelligence and Machine Learning)
DevOps & Automation Engineer

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Profile Summary

- Seasoned IT professional with 4+ years of experience in development and scripting with Python. Also have experience in infrastructure automation and DevOps tools.
- Stepped into Machine Learning and Artificial Intelligence, aspired of gaining expertise by working in the industry.

Technical Skills

- **Programming Skills** - Python 3.4 Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Analysis, Statistical Analysis, Restful API with Flask, Multithreading
- **Machine Learning and Artificial Intelligence Algorithm's** - KNN Classification, Naive Bayes Classification, Decision Trees, Random Forests, K Means Clustering and Apriori Association, Tensorflow
- **Python Libraries** - NumPy, Pandas, Matplotlib, Seaborn
- **Testing Tool** - Automation testing with Selenium
- **Version Controlling** - GIT, Tortoise SVN
- **Project Management and Ticketing Tools** - Atlassian Jira, Service Now and Remedy

Project Experience

A | Horizon and APAC Squad | Synechron Technologies Pvt. Ltd.

- **Duration:** August 2018 to Present
- **Technologies:** Python, NLP, Deep Learning, NumPy, Pandas, Restful API's using Flask, Matplotlib, Seaborn, Naive Bayes Classifier, DevOps tools i.e. Jenkins, Git, Bitbucket, Amazon AWS services i.e. IAM, EC2, S3, VPC, AWS Lambda, Auto scaling, Automation Testing with Selenium
- **Responsibilities and Contributions:**
 - 1. Form Extraction and Classification:**
 - Data analysis and data cleaning on extracted data from given forms.
 - Using NLTK to apply NLP techniques like stemming, stopwords and sparse matrix creation.
 - Using DNN Classifier to train an image classifier by converting images to NumPy array.
 - Creating Restful API's using Flask
 - 2. Automatic Web Maintenance Check:**
 - Setup Jenkins infra on AWS EC2 instance.
 - Active Directory setup with Jenkins
 - Files versioning in Bitbucket Repository.
 - Python programming for the automation using Selenium Web-driver, Multithreading and Exception Handling
 - Jenkins job with several plug-ins
 - 3. Restful API Management for Enterprise Applications:**
 - Developed python-based API's to track sales and perform sales analysis.
 - Developed and designed API's for the client website.
 - Developed and designed API's for UI team on user data for their devices.

B | Web Operations Squad | Accenture Solutions Pvt. Ltd.

- **Duration:** June 2015 to August 2018
- **Technologies:** Linux Shell Scripting, Python, DevOps tools i.e. Jenkins, Git, Bitbucket
- **Responsibilities and Contributions:**
 - 1. Restful API Management for Enterprise Applications:**
 - Creating/Managing Restful API's for Enterprise Applications.
 - Creating/Managing new endpoint for exposing the application features.
 - 2. Continuous Delivery Pipeline:**
 - Creating Jira Project with Workflow Trigger for Feature Branch creation.
 - Performing HTML editing and push with Git.
 - Jenkins Job creation for detecting Git push and performing Branch Merge and Rollback function.
 - Deploying codebase to environments.
 - 3. DevOps Administration:**
 - Jira administration i.e. Project Creation, User Management, Workflow create/modify.
 - Confluence administration i.e. Space Creation and Document Management, User Management, Integration with Jira.
 - 4. Infrastructure Support:**
 - Server Monitoring and Automation Scripts with Python and Bash.
 - Troubleshooting Apache-Tomcat issues.

Educations

- **B. Tech, Computer Science and Engineering, 2014 | Grade – 7.67 CGPA**
Government College of Engineering and Leather Technology - Kolkata, West Bengal, India
- **Diploma, Computer Science and Technology, 2011 | Grade – 79.40%**
Dr. Meghnad Saha Institute of Technology - Haldia, West Bengal, India
- **Higher Secondary, Science, 2007 | Grade – 64.00%**
Dantan High School - Dantan, West Bengal, India
- **Secondary, 2005 | Grade – 81.75%**
Dantan High School - Dantan, West Bengal, India

Certifications

- **AWS Certified Developer - Associate**
Issue Date: January 15, 2018 | Expiration Date: January 15, 2020

Achievements

- Handed Spot Award for Innovation and Implementation in February 2019 while working in Synechron Technologies Pvt. Ltd.
- Awarded for Innovation Idea's and Implementations in the year 2018 while working in Accenture Solutions Pvt. Ltd.

Professional References and Links

- **LinkedIn Profile:**
<https://www.linkedin.com/in/linked-with-rahuldev-in/>
- **GitHub Repository :**
<https://github.com/rahuldevgitshare/Python-and-AI>
- **Hackerrank Profile:**
<https://www.hackerrank.com/rahulhackerranks>