

# Rahul Chauhan

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Python developer with 4 years of experience in Data Engineering, automating processes, and architecting scalable solutions

## WORK EXPERIENCE

### CREDIT SUISSE | ENO-3

Pune, IN | Jul 2020 – Present

#### Python Developer | Technical Analyst

- Developed and integrated a health monitoring application with ServiceNow, resulting in a significant reduction in incident response time through real-time alert prioritization and instant downtime notifications.
- Leveraged Django framework to create RESTful APIs for seamless data interactions between SNOW instance and health check service. Automated flow scheduling was done in Apache Airflow DAGs.
- Orchestrated end-to-end CI/CD pipelines with Git, GitHub, Jenkins, and Artifactory, streamlining software delivery and ensuring efficient version control for rapid, effective deployments across multiple regions.

#### Python & DevOps Engineer | ENO-2 & 3

- Worked on the integration of a vendor product into the CS Voice and Ecomms Surveillance Platform, utilizing Python, Spark, and Hive for Extract, Transform, and Load (ETL) operations.
- Developed a complete end-to-end data ingestion pipeline using s3, Hadoop, and Elastic Search for alert archival and storage which monitored 10k users globally, thus reducing manual surveillance overhead on business.
- Used query profiling to perform targeted optimization on 50+ queries on client-side systems.
- Revamped most used alert and recon dashboards, which resulted in more cleaner and precise visualizations.
- Spearheaded the development of pre and post-processing applications for Data Archival Solution - Archive Accelerator, maintaining compliant data archiving, retrieval, and seamless delivery across multiple business regions while adhering to stringent regulatory and compliance standards.
- Automated routine tasks with robust shell and Powershell scripts and Windows tasks, resulting in an impressive 50% - 60% reduction in manual intervention, enhancing daily operational efficiency.
- Migrated all Ecomm and Valult applications to a version-controlled environment with integrated unit tests, leveraged Jenkins and Ansible to efficiently manage complex configurations in Git for Ecomm apps.

### CREDIT SUISSE | TECHNICAL ANALYST INTERN

Pune, IN | June 2019 - Aug 2019

- Implemented RNN and CNN-based predictive ticket classification model on AWS (S3 Lambda) for ServiceNow, delivering 60% faster resolution, a 75% drop in escalations, and enhanced efficiency.

### INDIAN STATISTICAL INSTITUTE | RESEARCH INTERN

Kolkata, IN | May 2018 – Aug 2018

- Researched and implemented neural networks to classify complex (a+ib) non-linear signals, improving classification accuracy and data modeling. Demonstrated expertise in deep learning and analysis of neural network models.

## EDUCATION

### B.E. Information Technology

Pune, IN | Jul 2016 - Nov 2020

ARMY INSTITUTE OF TECHNOLOGY

## PROJECTS

### IVISION

PYTHON, LSTM, CNN

Developed an innovative automated image captioning model using **Capsule Neural Network** and **gTTS** text-to-speech technology to deliver captions as audio to the blind ear, enhancing accessibility and improving user experience.

### INVERSE NEURAL NETWORKS

PYTHON, KERAS, PANDAS, NUMPY, OPENCV, DEEP LEARNING

Engineered customized neural network architectures with intricate weight configurations for complex(a+ib) data.

## SKILLS

**Languages & Scripting:** Python, SQL, Scala(Spark), Shell, Powershell

**Database:** MySQL, Oracle, PostgreSQL

**DevOps & Cloud Technologies:** AWS S3, AWS Lambda, Ansible, Jenkins, Kubernetes, Docker, SaltStack, Graphana

**Other Technology/Tools/Frameworks:** Spark, Hive, Git, Django, FastAPI, Flask, REST API's, PySpark, Tableau, Splunk, Geneos