# Chirag Patil

ML Engineer

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## KEY SKILLS

• MLOps • Data Analysis • Machine Learning • Deep Learning • Calculus • NLP
• DevOps • Process Improvement • Data Visualization • Agile • Cloud

## TECHNICAL SKILLS

**Tools/Languages**: Python, SQL, Pandas, PIL, OpenCV, Django, TensorFlow, PyTorch, Keras, CNN, RNN, Linux, docker, Git, Power BI
**Cloud**: Amazon AWS, S3, Cloudwatch, RDS (DBMS), Athena, EC2, Lambda, Sagemaker.
**Database**:  MySQL, PostgreSQL.

## SOFT SKILLS

• Excellent Communication skills
• Troubleshooting.
• Logical & Analytical Skills.
• Problem Solving.

## EDUCATION

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|---|---|
| **Post Graduate Diploma in Data Science** | Dec '22 - Present |
| **IIIT Bangalore - upGrad** | Bengaluru, IN |

- **Course Modules:**
  - Introduction to Python | MLOps | Introduction to Machine Learning, Deep Learning and NLP
  - Business Problem Assignment | Building Automated Data Pipelines

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|---|---|
| **Bachelore's of Engineering** | May '17 - Aug '21 |
| **University of Pune** | Pune, IN |

Secure 7.9 CGPA

## KEY PROJECTS

**Auto EDA Web Application:** | Personal  | Feb '23
- Objective: Data scientist and management people often come across EDA process. they want quick insights and visual analysis from their dataset
- Solution: Designed **Auto EDA Django Based Application** which ask user to upload CSV file and it will generate all the possible charts containing Univariate, Bivariate/Multivariate Analysis
- Key Achievement:  **Enable a person to visualize various chart without prior understanding of  tools like matplotlib etc.**

**Domain: BFSI** | Vanguard INC. | Apr '22
- Objective: A retail company wanted to know which cloud resources are idle and costing unnecessarily
- Solution: We analyze historical data and come up with set of rules and designed Smart **Cleaned up Process** to correctly identify which resources are orphaned and need to cleaned up
- Key Achievement: By developing this automatic process which then solve **High Availability, & Recurring Cost Problem**

## PROFESSIONAL EXPERIENCE

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|---|---|
| **AWS CloudOps Engineer** | Dec '21 - Dec '22 |
| **Vanguard Inc.- TCS** | Pune, IN |

**Maintaining Cloud Infrastructure up and available**
- Assess various AWS services and their usage across the the retail company to maintain **high Availability**
- Deployed **Lambda Service** to access cloudtrail logs

**Working with cross functional team**
- Working with cross  functional teams to assist in various AWS resources
- Performing **data analysis** & creating **dashboards of Cloud Spend** for various internal product families
- Cost optimization recommendation to various internal app teams to lower the cloud cost using **Cloudability** tool
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Managed AWS services like **IAM  Role**, **S3**  Buckets, **IAM   Policies**, **ELB** and numerous AWS service quotas to maintain their breathing room using **Splunk** (**Observability**) monitoring tool

**Report Generation & Documentation**
- Creating **weekly Status reports** and updating the resources with new data in **Confluence**
- **Tutoring** the recruits on various  **Cloud services** while managing & maintaining cloud infrastructure

## ACCOMPLISHMENT                                                                    May '22 - Jul '22

### Vanguard INC.
*Hold 2nd Position*

Internal competition was held in Vanguard Inc. me and my team collectively saved the recurring cost of around **$54k /month** in AWS Cloud.

## CERTIFICATIONS

- **Python Training** | Tata Consultancy Services Private Limited.
- **Linux** | CompTia.

## ADDITIONAL INFORMATION

- **Interest in Reading**: it's a journey to different worlds, perspectives, and ideas.
- **Languages**: English (intermediate).