



Ashish PATEL  
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github | linkedin | portfolio

## SUMMARY

Experienced Software Engineer with **4.5+ years** of total experience in **Big Data, Distributed Systems, Java** and **Python** seeking to apply my abilities to contribute and build something productive. I am also active contributor to Open-source projects like **Apache Airflow**.

## EXPERIENCE

### SKYSCANNER

*Dev, 2021 - Present / London, UK*

SENIOR SOFTWARE ENGINEER ( DISTRIBUTED SYSTEMS )

- Part of the **Data Platform** team, and working on cutting edge big data solutions to enable our Data Analysts and Data Scientists to make sense of revenue data.
- Building High Scalable Streaming Pipelines using cutting edge solutions like **Kafka, Kinesis** and **Samza**.
- Building High-Quality Scalable ETL Frameworks using cutting edge solutions like **Databricks, Spark, Airflow** and **AWS**.
- **Tech Stack** - Apache Spark, Apache Airflow, Apache Kafka, AWS Kinesis, Samza, Databricks, DeltaLake.

### WALMART GLOBAL TECH

*Feb, 2021 - Dec, 2021 / Bangalore, India*

SOFTWARE ENGINEER III (BIG DATA)

- Part of the **supply chain technology** team, and working on cutting edge forecasting solutions to enable the every-day low-cost philosophy of Walmart.
- Building **High-Quality Scalable ETL Frameworks** to build our Forecasting Pipelines.
- Migrated our On-Prem Hadoop Clusters to Google Cloud Platform as part of a strategic partnership with Google.
- **Tech Stack** - Apache Spark, Java, PySpark, Apache Airflow, GCP DataProc, Bigquery, Astronomer

### DEUTSCHE BANK

*July, 2018 - Jan, 2021 / Pune, India*

SENIOR SOFTWARE ENGINEER

- Worked As a Big Data engineer in CIB division for Volcker Project.
- Developed **Data pipelines for our Reporting ETL** jobs, handling **Terabytes** of data every day across hundreds of Spark and Hadoop MapReduce jobs.
- Optimized End to End Pipeline execution time to comply with Regulatory SLA in accordance with new Volcker 2.0 regulatory Norms.
- Developed Platform simplification for Informatica jobs using Java8 and Spring + Reactor Framework with Oracle Database.
- **Tech Stack** - Apache Spark, Hadoop MapReduce, Hive, Impala, Beeline, Cloudera CDH, Java, Spring Framework, Spring Boot, Scala, Linux, GCP.

### NIT, BHOPAL

*Oct, 2017 - Feb, 2018 / Bhopal, India*

RESEARCH ASSISTANT

- Co-written **"A Comparative Study of Music Recommendation Systems"** with Prof. Rajesh Wadhvani.
- This paper describes different recommendation strategies and compares their practicality on mobile devices.
- Evaluated different Recommendation Strategies by training different ML models and evaluating them.
- **Reference** - <https://ieeexplore.ieee.org/document/8546852>

### CARWALE.COM

*May, 2017 - Jul, 2017 / Mumbai, India*

SUMMER INTERN

- Worked as Data Engineering Intern in the R&D division of CarWale.
- We developed CWBigQuery, which is a service that enables interactive analysis of massively large datasets stored in Cassandra Storage.
- It allows users to submit and schedule Spark Job, just using SQL like syntax using Spark SQL.
- This Project took inspiration from Google BigQuery but uses a completely different architecture, we have also created a web application which will provide an interface for users to log in and submit, schedule, and view results.
- **Tech Stack** - Scala, Apache Spark, Cassandra, Python-Flask Framework

## EDUCATION

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### NIT, BHOPAL

2014 - 2018

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE & ENGINEERING

- Graduated in Computer Science and Engineering. **GGPA** - 8.4/10
- Worked as Web developer in the Student Council and developed websites and tech infrastructure for College events.

### I.P.S ACADEMY

2011 - 2013

HIGHER SECONDARY, SCIENCE & MATHEMATICS

- Completed Higher Secondary with Physics, Chemistry, and Maths. Percentage - 90.2%

## SKILLS

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**PROGRAMMING** Java | Scala | Python | C++ | Bash

**BIG DATA FRAMEWORKS** Apache Spark | Kafka | Databricks | Airflow | Hive | AWS | GCP

**SOFTWARE DEVELOPMENT** Spring Framework | Oracle | MySQL | Agile | DevOps

**LANGUAGES** **Native:** Hindi | **Fluent:** English

## AWARDS AND RECOGNITION

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- Competed with 200+ teams and Won 3rd prize in Deutsche Bank's Global DataScience Competition Dabble.
- Won 2nd prize in Hackathon organized by Appointy Inc, <https://github.com/pateash/appointy-hackathon>
- Winner of Deutsche bank's excellence award.
- Winner of Medhavi Chhatra Puruskar, given by MP State Government for excellent performance in State board exams.

## EXTRA

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- Contributing to Apache Airflow, contributions - <https://github.com/pateash>
- Working on Open source, CMD tool for developers, <https://github.com/codingtools/cdt>
- Writing Articles on Codebrace on Medium <https://medium.com/codebrace>, with over **100K+** reads so far.
- Created Opensource Regexplore, Intuitive Regex Checker <https://regexplore.github.io>