

## Dilpreet Singh

Bengaluru, Karnataka

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Data Techie with 4.7 years of experience with Big data and Data Engineering technology, worked with multiple domain/industry projects from modernization to Analytics part.

### EDUCATION

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**Chandigarh University, Mohali, India**

**May 2018**

Secured a Bachelor of Technology in Computer Science & Engineering with *Distinction (76%)*

### PROFESSIONAL EXPERIENCE

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**Hashedin By Deloitte, Bengaluru**

**Oct 2021 – Present**

*Lead Data Engineer*

- Writing BRE's and **designing** functional and **logical Architectures**.
- **Leading a team of 7+** members and representing in front of **client**.
- Writing **Glue jobs** with **Spark Scala/Python** script for business logics.
- Implementing **CloudFormation Triggers** and **Control-M Triggers** and deployment through **Bamboo**.
- Designing Target Architecture and **providing solution for Migration/Modernization** view with Cloud technologies
- Responsible for getting Mainframe Cobol functionality with **Apache Spark having 100% accuracy**.
- **Designed an Ingestion Library performing 200+ operations in Data Lake** which **impacted 10+ teams** across the account to utilize and perform transformations
- Getting **One time migration** and **Change Data Capture** job with zero failure and data loss approach.
- Resolving Technical and Business questions across product families **conducting open sessions**.
- **Represented** the **project in Townhall** meetings providing insights about the running progress.
- Worked Extensively with **Client Architects**, Business/Foundational **Consultants**.
- Getting User stories created, assigned, and tracking for team on **JIRA**.
- Worked as **Track Lead** for 8+ Experienced Professionals of Data Engineering.
- Getting Physical Data Models from DB2 to **Aurora DB** and **Dynamo DB**.

**Mindtree Ltd, Bengaluru**

**June 2018 – Sep 2021**

*Senior Software Engineer*

- Responsible for building **Spark Scala scripts** in accordance to Business and logical requirements in Azure **Databricks/Intellij/Jupyter**.
- Importing data from various **BLOB** locations using pipelines and having it in **ADLS**.
- Preparing **Mapping documents** and **LLD** in accordance to business logics along with Senior Architects.
- Having **Knowledge sharing** and brain storming sessions with Business Analysts and Architects for requirements and understanding.
- **Optimizing** existing Codes/**Algorithms** for performance tuning setting right batch interval time and **parallelism**.
- Collaborating with **Oozie** and **NiFi** teams for the Job Management/orchestration/Scheduling.
- Worked on various **POC's** regarding new and optimized approach for implementation.
- Providing support in **SIT phases with automation scripts** for validation.
- Getting signoff on multiple **complex Integration flows** with very less issues within Timelines.
- Doing **peer reviews/** code reviews and KT Sessions for new joiners.
- Provided **modernization POC solution for sensors Data** which further lead to **optimizing 30+ spark jobs**.
- **Lead an team** of 4 incl. 3 Dev, 1 QA.
- Worked on **DOMO** view having all the KPI's data for visual representation of **Revenue Managers**.

## ACADEMIC PROJECTS

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### Mineland (2016-2017)

As Big data was and is emerging technology and new in 2016, so had Hadoop as platform installed on Linux configured with a single node cluster.

- Developed a **Data Mining Project** running on Hadoop as a platform.
- Ran with 50+ GB of data and applied **Mining Algorithms** on top pf data.
- Implemented **Apriori** and **K-means Algorithm** on data and got it visualised on various charts and graphs for better representation.
- Pitched various ideas about **IOT** and **Big data** in discussions and forums happening across Campus.

## SOFTWARE SKILLS

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- **Programming Languages**- Scala, Python, SQL, Java.
- **Bigdata Technologies**- Apache Spark, HDFS, Kafka, Oozie, NiFi, Yarn.
- **Databases/Storage**- PostgreSQL, MySQL, AuroraDB, Couchbase, S3, Azure Data Lake, Azure SQL DB, DynamoDB, Influx DB.
- **Add-ons**- Bamboo, AWS CFT, AWS Glue, AWS Lambda, SQS, SNS, Azure Data Factory, Azure Databricks.
- **Supporting Techs and Tools**- Git, JIRA, Confluence, IntelliJ, Putty, WinSCP.

## CERTIFICATIONS

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- Bigdata Analysis with Spark and Scala (*Coursera*)
- AWS Business Professional (*AWS*)
- AWS Technical Professional (*AWS*)
- Scala Programming for Data Science (*IBM*)
- Hadoop Development and Testing (*LIVE Sessions*)
- Introduction to Data Science in Python (*Coursera*)
- Hands-On Course Python (*Pluralsight*)
- Getting Started with Python (*Coursera*)
- AI for everyone (*Coursera*)
- IOT (*CISCO*)
- JAVA (*IBM*)
- LINUX (*IIT Bombay*)
- More Basics: Bigdata and Hadoop Overview, Spark Fundamentals (I and II Level), Scala, Python, Introduction to Databases, Cloud Computing.

## EXTRA CURRICULAR ACTIVITIES

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- **Co-Founder and Vice President** of Enrichment Childcare NGO since Jan 2022.
- Won Bhangra/Dance Competitions at School Level.
- Represented **District** in Football (2012-2013).
- University/**Zonal Level** Volleyball Player.
- Runner-up for **University Ambassador Program** among 2000+ Candidates.
- Got **2<sup>nd</sup> position for Mineland project** among 300+ projects across Computer Science Field.
- Active participant in **Talent Hunt Events** in University.
- Held **50+ Awareness Events** for CSR activities by organization.
- Helped 20+ Children for education and 25+ families providing expenses for hospitals and many other via different means on daily basis with NGO.
- Got **Excellence Award, Hats-off Award** from Organization for providing legit solutions and on-time Deliverables.