

Tamanna Garg

Data Engineer

I'm an experienced software engineer who constantly seeks out innovative solutions to everyday problems. In my around 7 years in the IT industry, I've honed my analytical thinking and collaboration skills and I love working with a team.

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WORK EXPERIENCE

Technical Analyst (Data Engineer)

Intersoft Data Labs & Solutions Pvt Ltd

10/2022 - Present *Barnala, India (Permanent Remote)*
Intersoft is a multi national service provider with a strong 18 years of industry-specific experience which offers intelligent next-gen solutions to enable customers through their digital journey

Senior Data Engineer

Umma

05/2021 - 09/2022 *Barnala, India (Permanent Remote)*
Umma is an Indonesian based product orization which has built the most comprehensive and easy to use Muslim app with 10M+ downloads on Google play store

Senior Software Engineer

Accolite Digital India Pvt Ltd

09/2019 - 05/2021 *Gurgaon, India*
Accolite is a multi national digital transformation services provider led by design thinking. It helps clients to solve complex problems through human-centric design and product innovation approach.

Senior Data Engineer

Maven Wave, an atos company

06/2018 - 09/2019 *Chandigarh, India*
Maven Wave is a multi national digital transformation consulting firm and Google Cloud Partner specializing in digital delivery skills and cloud-powered applications

Data Scientist

IBM India Pvt Ltd

02/2016 - 11/2017 *Bangalore, India*
IBM manufactures and markets computer hardware and software, and offers infrastructure, hosting and consulting services in areas ranging from mainframe computers to nanotechnology.

CERTIFICATES

Google cloud professional data engineer

Google

12/2018 - 12/2020

EDUCATION

B.Tech - Software Engineering (07/2011 - 06/2015)

Rayat & Bahra College of Engg. & Biotechnology, Mohali

- Marks - 80.6%

12th - Non Medical (04/2010 - 04/2011)

Dr RPSD Senior Secondary School, Barnala

- Marks - 75.1%

10th (04/2008 - 04/2009)

S.H.Sen.Sec. School, Barnala

- Marks - 82.8%

TECHNICAL SKILLS

Python

ETL

PySpark

Apache Airflow

AWS (S3, EC2, RDS, Athena, EMR)

GCP

SQL

Data Pipelines

Data Scraping

Data Analytics

Watson Cloud Services

PROJECTS

Umma (05/2021 - 09/2022)

- Umma aims to assist Muslims in carrying out their daily worship.
- **Tech Stack:** Python, PySpark, Apache Airflow, GCP (GCS, BigQuery), AWS (S3, RDS, EC2), SQL
- **Contribution:** Created end to end pipeline for newly features
- Managed existing data pipelines and Airflow workflow
- Moved cron jobs to Apache Airflow

Innowatts (09/2019 - 04/2021)

- Providing insights to client regarding the energy consumption
- **Tech Stack:** Python, PySpark, Apache Airflow, AWS (S3, Athena, EMR, EC2)
- **Contribution:** Extract the data from various websites, FTP sites
- Applying different transformations (using Pandas and PySpark) as per the requirement.
- Scheduling a DAG on Apache Airflow for ingesting the data daily into S3 and Athena

Facebook Migration (01/2019 - 09/2019)

- Migrate data to cloud (From Quip tool to GSuite - Google Drive) using Python. This is divided into 3 phases:
- Creating an Inventory analysis tool
- Creating a migration tool retaining all the permissions in GSuite.
- **Tech Stack:** Python, MySQL, Google Cloud SQL and GCE
- **Contribution:** Worked as a core developer to develop the tool to migrate the data from Quip to Google Drive.

AAA (MWG) (06/2018 - 12/2018)

- Migrate the data of AAA group from on-premises to cloud
- **Tech Stack:** Python, GCP (BigQuery, GCS, Cloud composer, Dataflow)
- **Contribution:** I was accountable for the dataflow conversion that team was writing for DB sources, tested different options and helped to narrow down the one which works better.

Tabletwise (12/2017 - 06/2018)

- Created ETL data pipelines for fetching medicine related data from multiple websites
- **Tech Stack:** Python
- **Contribution:** Content Collection - crawling and scraping
- Content Curation - cleaning and formatting

MetroPulse (02/2016 - 11/2017)

- Collection and curation of data from multiple sources for the purpose of developing a platform for hyper-local analytics.
- **Tech Stack:** Python, Data Collection and Curation (Python BeautifulSoup & selenium)
- **Contribution:** Content Collection - crawling and scraping
- Content Curation - cleaning and formatting