

# 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 fetchng 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