

# HARSHAL MAHALE

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## Profile Summary

Dedicated Data Scientist with 2.5 years of experience in data maintenance, analysis and visualization. Seeking a challenging position to work with a collaborative team on innovative, data-driven projects, with the goal of advancing my career in data science.

## Work Experience

### Sr. Software Engineer @ Persistent Systems Ltd.

Pune, India – January 2022 to Present

- Developed an **Account Operational Excellence System** based on day to day attendance so admin can able to track the employee attendance based on their working hours.
- Demonstrate proficiency in using **Python libraries** such as Pandas & Numpy and developing code using Jupyter Notebooks.
- Access and web scrape data using APIs and Python libraries like **Beautiful Soup**.
- Actively Engaged in **Python data science program** facilitated by Ethans Tech, focusing on advance techniques for data analytics, Machine learning and Deep learning.

## Project Details

### 1 : Emotional Health Monitoring

- This project is use to track and monitor emotional states from text data to provide early interventions for mental health issues.
- Led backend development, integrated NLP models and facilitated communication between frontend and backend.
- Utilized pre-trained Transformer models for NLP and developed the web application using Django.

### 2 : Indian Card Payment Analysis

- Analyzed trends in card-based payments in India from 2011 to 2019 and predicted future trends up to 2025 using machine learning.
- Conducted extensive data analysis on card payments, ATM's and POS system.
- Used Random Forest Regression for predictive modelling to forecast future trends in card payments.

## Education

**Bachelor of Engineering**, Sinhgad College of Engineering Pune | Computer science | 2018-2022 | CGPA: 8.71/10

**Senior Secondary (XII)**, Brahma Valley Junior Science college Nashik | HSC Board | Year of completion: 2018 | Percentage – 71.08%

## Achievements

- Got High Five – Team Award for working on the time report tool.
- 1<sup>st</sup> Runner-up in Persistent Annual Technothon for Gems Hi-tech BU.
- Winner of logo quiz competition at SCOE, Pune.

## Key Skills and Abilities

**Programming Languages:** Python, C++, HTML, CSS.

**Frameworks:** Django, Django Rest Framework.

**Database:** Microsoft Sql Server.

**Libraries:** Numpy, Pandas, Seaborn, Matplotlib, Tensorflow, Scikit-learn.

**Deep Learning Techniques:** ANN, RNN, CNN, RBM's & NLP.

### Other Skills

MySQL  
OOPS  
GEN-AI  
Data Science  
Machine Learning  
Data Preprocessing  
Feature Engineering

### Tools

Visual Studio  
SQL Server  
Zabbix  
Ranorex  
Git  
AWS

### OS

Windows

## Certifications

**Python For Data Science, AI & Development** – IBM

**Python ML Developer Certified** - PDEA

**Microsoft Certified:** Azure Fundamentals AZ-900

**Software AG Certified:** ARIS Process Mining Professional