# HARSHAL MAHALE

9158747958 | harshal_mahale@persistent.com
https://www.linkedin.com/in/harshalmahale

## 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 intervations for mental health issues.
- Led backend development, integrated NLP models and facilated 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.
- 1st Runner-up in Persistent Annual Technothon for Gems Hi-tech BU.
- Winner of logo quiz competition at SCOE, Pune.

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## 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