

# Prachi Jadhav

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## SUMMARY

Associate System Engineer with 2+ years of experience in designing and implementing software solutions that improve performance, reduce downtime, and increase customer satisfaction. Worked in gathering data from various sources and transforming it into insightful reports and dashboards. Knowledgeable in Python frameworks related to data such as Django, Flask, NumPy, Matplotlib.

## WORK EXPERIENCE

**Tata Consultancy Services Limited, Mumbai**

**Associate System Engineer**

**December 2021 – Present**

**Project Name: Central Bank of India, Belapur**

- Worked closely with a team of frontend developers to optimize Python code for performance and scalability, resulting in an improvement in the user interface and resolving customer issues.
- Devised and executed Python automated code that improved efficiency by 50%.
- Developed dashboards using Power BI and improved dashboard usability by implementing interactive visualizations so that banking professionals can measure how well the bank is delivering the expected results and identify the areas for improvement.
- Generated dashboards using Tableau to analyse cash flows, examine investment portfolios, and understand their risk exposures.
- Demonstrated expertise in installation, configuration, and administration of Broadcom tools like Spectrum, ITCM & UIM to generate Data, schedule daily reports, taking database backup of all servers on daily basis and provide useful insights from data.
- Identified and resolved a critical software issue that was causing system downtime, resulting in a 50% reduction in downtime and a 10% increase in system reliability.
- Developed and maintained macro code to automate large raw datasets in customized formats as per client requirements, also created complex formulas and functions to automate data analysis and calculations.
- Created SQL queries to retrieve data from multiple tables into csv format and provide data visualization vision to business & users.
- Wrote SQL queries for diverse requests, increasing execution speed by 15%.
- Created and maintained documentation for the application, ensuring ease of use for future engineers.

## TECHNICAL SKILLS

- Programming Languages - Python, ASP.Net, HTML, CSS, JavaScript
- Web Frameworks - Django, Flask
- Database - SQL
- Tools - Visual Studio Code, Power BI, Tableau
- Microsoft Excel - Pivot Tables, Lookups, Macros
- Operating Systems - Windows, Linux, Ubuntu
- NumPy, Pandas, Matplotlib, TensorFlow, Natural Language Processing

## ACADEMIC EDUCATION

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|---|------------------|
| • <b>Masters in Computer Application   CGPA: 8.55</b><br><i>University of Mumbai</i>                      | <b>2021-2024</b> |
| • <b>Bachelor of Science: Information Technology   CGPA: 8.78</b><br><i>D. G. Ruparel College, Mumbai</i> | <b>2018-2021</b> |
| • <b>HSC: Science   68.15%</b><br><i>D. G. Ruparel College, Mumbai</i>                                    | <b>2016-2018</b> |
| • <b>SSC   92.20%</b><br><i>R. M. Bhatt High School, Mumbai</i>   | <b>2015-2016</b> |

## PROJECTS UNDERTAKEN

- **Clinic Management System**  
*A website built using ASP.NET and C# as a backend & HTML and CSS for frontend.*  
*The objective is to simplify the communication process between doctor and patients & to fully automate the clinic daily operation by leading the clinic to operate in effective and efficient way throughout the help of the system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help in better utilization of resources.*
- **Desktop Assistant**  
*A virtual assistant built using Python which is a Voice Activated Desktop Assistant.*
- **Tic-Tac-toe**  
*A Python game using Tkinter module that gets better with each game it plays against a user.*
- **Rock-Paper-Scissor**  
*A Python game using Functions and Conditional Statements of Python.*
- **Lottery Prediction**  
*A GUI that can calculate chances of winning the lottery using Tkinter module of Python.*

- **Netflix Data Analysis | Tableau**  
*The Netflix Data Analysis project utilizes Tableau to create interactive visualizations and dashboards based on the Netflix dataset. It provides insights into different aspects such as content distribution, genres, release dates, and ratings.*
- **Sales Insights | Power BI**  
*The sales Insights dashboard project aims to create an interactive and visually appealing dashboard using Microsoft Power BI for monitoring and analysing key metrics and data related to sales. It is based on a computer hardware business which is facing challenges in dynamically changing market.*

## CERTIFICATIONS

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| • <b>Data Analytics with Python</b><br><i>NPTEL (Gov. of India)</i>        | <b>Jan – Apr 2023</b> |
| • <b>The Joy of Computing using Python</b><br><i>NPTEL (Gov. of India)</i> | <b>Jan – Apr 2023</b> |
| • <b>Data Analytics Professional Certificate</b><br><i>Google</i>          | <b>March 2023</b>     |

## AWARDS

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- Star Team Award
- Xcelerate Warrior Award

## POSITION OF RESPONSIBILITY

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### Member of Unity Welfare Club

*Attended Sleeping Kit Distribution to Blind Students, Knowledge Fest and Cap Distribution to Farmers and got internship certificate.*