

**Mukunda Sanjay Patil**

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## **Objective**

Recent MCA graduate specializing in data analysis and visualization using Python. Proficient in data cleaning, transformation, and exploratory data analysis with tools like Pandas, NumPy, Matplotlib, and Seaborn. Skilled in creating insightful reports and dashboards, managing large datasets, and presenting actionable insights to drive business decisions. A collaborative team player committed to delivering data-driven solutions and continuous learning.

## **Software Skills:**

Technologies	Python, NumPy, Pandas, Matplotlib, Seaborn, Tkinter
Web Technologies	HTML5, CSS, JavaScript, Django
Data Analytics Tools	Excel, Power BI
Database	SQLite, MySQL
Tools	Postgres SQL, VS Code

## **Internship Training :-**

### **Python & Django Intern Trainee Developer**

*E-Commerce Website Project – Jan 2024 to Jul 2024*

**Company Name:** Heuristic Technopark

**Role:** Backend Developer

**Technologies:** Python 3.11.2, Django, MySQL, HTML, Bootstrap

- Selected through a competitive interview process for a 6-month internship focused on backend development of an E-Commerce website.
- Collaborated with a team to develop and maintain the server-side logic, database design, and application integration using Django framework.
- Implemented secure and scalable APIs for product listings, category filtering, shopping cart, and user authentication systems.
- Participated in the full development lifecycle, including requirement analysis, backend logic design, unit testing, and deployment.
- Worked with front-end team to ensure seamless integration of UI components with backend functionalities.
- Applied best coding practices and contributed to project documentation, reporting, and team discussions.

**Significant Projects:**

<b>Project name</b>	Telco Customer Churn Analysis
<b>Role</b>	Data Visualization and Analysis
<b>Environment/Tools, Technology</b>	Python3.11.2, NumPy, Pandas, Matplotlib, Seaborn
<b>Description</b>	<p>Conducted an in-depth customer churn analysis to identify key factors influencing churn behaviour, with a focus on contract types, payment methods, customer tenure, service type, and demographics. The study revealed that:</p> <ul style="list-style-type: none"><li>• <b>Contract Type:</b> Customers with month-to-month contracts had the highest churn rate at <b>42%</b>, compared to <b>11%</b> for one-year and <b>3%</b> for two-year contracts, highlighting the retention benefits of long-term commitments.</li><li>• <b>Payment Methods:</b> <b>45%</b> of customers using <b>electronic checks</b> churned, significantly higher than the <b>15–18%</b> churn among those using credit cards or bank transfers, pointing to trust and convenience issues with certain payment methods.</li><li>• <b>Tenure:</b> Customers with less than one year of service showed a <b>50%</b> churn rate, which dropped steadily to <b>15%</b> for those with more than three years, emphasizing the need for strong early engagement.</li><li>• <b>Internet Service Type:</b> Fiber optic users had a <b>30%</b> churn rate, compared to <b>20%</b> for DSL, suggesting service satisfaction or competition as potential issues.</li></ul> <p>Visualizations, including bar charts and line graphs, were used to clearly display churn distribution across different segments, supporting data-driven retention strategies</p>
<b>Responsibilities</b>	<ul style="list-style-type: none"><li><input type="checkbox"/> Analyse churn patterns based on customer contract types, payment methods, and service tenure.</li><li><input type="checkbox"/> Identified that month-to-month contracts and electronic check payments had the highest churn rates.</li><li><input type="checkbox"/> Found that customers with shorter tenure (especially under one year) were more likely to churn.</li><li><input type="checkbox"/> Highlighted that senior citizens and Fiber optic users had relatively higher churn.</li><li><input type="checkbox"/> Created visualizations (bar charts, line graphs) to clearly show churn trends and differences.</li><li><input type="checkbox"/> Recommended strategies like promoting long-term contracts, improving early customer engagement, and offering special program</li></ul>

**Education Qualifications:**

<b>Qualification</b>	<b>School/College</b>	<b>Board/ University</b>	<b>Year of Passing</b>	<b>Marks</b>
<b>MCA (COMPUTER)</b>	Sandip University	Sandip University	2024	78.33%
<b>BSC (computer science)</b>	DNCVP'S Shrish Madhukarrao Chudhari Collage Jalgaon	North Maharashtra University	2022	78.39%
<b>HSC</b>	DNCVP'S Shrish Madhukarrao Chudhari Collage Jalgaon	Maharashtra State Board	2019	49.85%
<b>SSC</b>	R. R. Vidyalaya, Jalgaon.	Maharashtra State Board	2017	70.40%

**Personal Information:**

- **Date of Birth:** 23<sup>th</sup> Jul 2001
- **Current Location:** Pune
- **Linguistic Proficiency:**  
English,Hindi, Marathi

I hereby declare that the above information is true and accurate to the best of my knowledge. \_\_\_\_\_

Date:

Place:

Mukunda Sanjay patil