

# Shivam Shroff

Data Scientist | Data Analyst | Python Developer

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## Professional Summary

A passionate and results-driven Data Science Enthusiast with over 2 years of experience in applying predictive modeling, data processing, and machine learning algorithms to solve challenging business problems. Proven track record in enhancing operational efficiency, driving revenue growth, and advancing data-driven decision-making. Adept at translating complex datasets into actionable insights.

## Area of Expertise

### Professional Skills

Data Analysis | Data Visualization | Machine Learning | ETL Pipeline  
Predictive Modeling | Strategic Business Analysis | Team Leadership  
Stakeholder Engagement | Decision Making | Classification

### Technical Skills

Python | SQL | Tableau | Excel | Pandas | Git | Jupyter Notebooks  
NoSQL Databases | MS SQL Server | Google Cloud Platform BigQuery  
Elasticsearch | Supervised Learning | Unsupervised Learning

## Professional Experience

### Data Analyst, Contrado | London, UK

MAY 2022 - PRESENT

- Engineered a predictive forecasting model achieving an  $R^2$  value of 0.97, enhancing workload predictability and reducing inventory costs by 13%.
- Segmented customer data using K-means clustering, resulting in a 10% increase in yearly revenue through targeted marketing strategies.
- Automated the generation of BI dashboards, saving approximately 260 man-hours annually across the analyst team.
- Optimized ETL processes for data consolidation from various sources, increasing data retrieval efficiency by 25%.
- Presented insightful data-driven reports to C-level executives, informing strategic decisions that contributed to a 15% reduction in operational expenses.

### Python Developer Intern, Contrado | London, UK

JANUARY 2022 - MAY 2022

- Crafted a barcode and QR code scanning application, accelerating processing speed by 10% and saving 4 minutes daily per machine operator.
- Devised SQL queries and Python scripts for customer cohort analysis, enhancing the understanding of effective marketing channels by 20%.
- Contributed to the reduction of database errors by 30% through meticulous schema analysis and data quality assurance.
- Collaborated with cross-functional teams to troubleshoot and resolve 25% of the identified data tracking discrepancies.

## **Intern Developer, Epistic Technologies | Ahmedabad, India**

JULY 2018 - AUGUST 2018

- Increased proficiency in Python programming from the basic level to an intermediate level by studying and reading tutorials, and solving coding challenges.
- Acquired a comprehensive understanding of backend development using Django and Flask through hands-on projects and self-directed learning.
- Demonstrated ability to build robust web applications, leveraging the powerful features and functionalities offered by these frameworks.
- Developed a strong foundation in designing and implementing scalable web applications, utilizing frameworks' features for efficient database integration, API development, and user authentication.

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## **Education**

### **Bachelor of Technology, Information and Communication Technology**

Dhirubhai Ambani Institute of Information & Communication Technology (DA-IICT), Gandhinagar, India | 2022

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## **Certifications**

**Advanced Certification in Data Science and AI**, Indian Institutes of Technology Madras (IIT Madras) | 2023

**Data Analysis with Python**, IBM | 2022

**Data Visualization with Python**, IBM | 2022

**The Non-Technical Skills of Effective Data Scientists**, LinkedIn Learning | 2022

**Complete Python Developer: Zero to Mastery**, Udemy | 2020