

# SHRADDHA MALADKAR

## Data Scientist

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### SUMMARY

IT professional with overall 5 years of experience, currently working as a Data Scientist. Holds a **BE degree** in Electronics and Telecommunication, complemented by a **Postgraduate Diploma** in Data Science and a **Masters** in Machine Learning and AI. Proficient in **Python, Java, and SQL**, with a strong foundation in programming languages. Demonstrated expertise in utilizing Exploratory Data Analysis (EDA) for data exploration, presenting findings through compelling storytelling data visualizations. Specialized in **Machine Learning, Deep Learning, Natural Language Processing, and Computer Vision**, contributing to projects such as Expense Analysis, Text-tune, and Fraud Bill Detection. Engaged in the development of Java applications, emphasizing Object-oriented concepts, and adeptly crafted robust **web applications** covering both front-end and back-end aspects. Applied hands-on expertise in the **development domain**, involving tasks like coding, debugging, and performing unit testing. Motivated by an unwavering commitment to innovation, I am eager to leverage my skills in Artificial Intelligence and contribute significantly to the organization's success through my expertise in Data Science.

### TECHNICAL SKILLS

**Languages:** Python, Java, HTML, SQL

**Software:** VS Code, Netbeans, Oracle SQL Developer, Eclipse, Postman, Anaconda, Tableau, Matlab, Tesseract

**Frameworks/Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Sklearn, statsmodels, Django, Keras, Tensorflow, PyTorch, Flask, Dash, Dash bootstrap, CSS, Java Script, JSP, Struts

**Techniques:** Data Processing, Data Analysis, Data Visualization, Modelling, OCR, Deployment, Automation

**Cloud:** Azure

### KEY SKILLS

Excellent Communication | Problem Solving Ability | Effective Googling | Time Management | Eager to Learn Attitude | Team Sport

### PROFESSIONAL EXPERIENCE

#### Data Scientist

Oct '21 - Present

#### Tata AIA Life Insurance Company Ltd.

**Major Projects worked on:** Expense Dashboard, Text-Tune, Fraud Alert, Rider EDA, Vendor Report Automation

#### Tasks Performed:

- **Detected fraud expense bills** by leveraging power of Computer Vision
- Produced a **customized Expense Dashboard** for expense tracking, budget comparison, and granular expense analysis
- Trained **NLP-based model for classification** of text descriptions into expense categories
- Expense allocation framework, guided by user-defined drivers, was built to **analyze expenses** across different levels.
- Identifying underperforming and revenue-generating riders, while monitoring ANP and Sum Assured trends **using Data Visualization**
- Highlighted the **potential for optimizing Rider** attachments by illustrating the identification of maximum and optimal rider combinations and demonstrated the resultant revenue increase compared to the current situation
- **Automated a process of Report Generation** for reconciliation for vendor debit-credit transactions, enabling the identification of advance payments and upcoming payment obligations

#### Executive Java Developer

Sep '18 - Apr '21

#### Tikona Infinet Pvt. Ltd.

Mumbai

**Major Applications worked on:** QuickPay, Communication Portal, RPM, My Tikona App, SAM

#### Tasks Performed:

- Implemented payment Integration with different vendors and enhanced security using **encryption techniques**
- Developed **schedulers** for payment notifications and inactive IP removal while improving static IP management through LDAP
- Built a feature-rich **portal** for viewing and filtering plans, vouchers, special offers etc.
- Generated **multiple APIs** to create and resolve customer complaint on Portal
- Conducted comprehensive **testing** of applications to ensure quality and functionality

Projects worked on as Data Analyst: Customer Satisfaction, Revenue Improvement

Tasks Performed:

- Performed actions as **Data Collection, Data cleaning & Data Manipulation**
- Explored Data Relationships through Visualization by unveiling Insights using **Univariate, Bivariate, and Multivariate Analyses**
- Constructed a **Logistic Regression** Model for anticipating Customer Churn

EDUCATION

Masters in Machine Learning and AI	Oct '22 - May '23
Liverpool John Moores University	
60 (With Merit)	
Post Graduate Diploma in Data Science	Sep '20 - Oct '21
International Institute of Information Technology Bangalore	
3.58/4 CGPA	
BE (Electronics and Telecommunication)	Aug '14 - Jun '18
Rajiv Gandhi Institute of Technology	
6.75/10 CGPA	
HSC	Jun '13 - Mar '14
Ramniwas Ruia Jr. College	
74.15%	
SSC	Jun '11 - Apr '12
Dr. Babasaheb Ambedkar Vidyalaya	
90.73%	

ACADEMIC PROJECTS

Thesis:  
[Competition Benchmarking](#)

Post-Graduate Diploma Projects:

- [IMDb Movies Analysis](#)
  - [Credit Check Analysis](#)
- [Promising Leads](#)
  - [Bike Rentals](#)
- [Helping Hands](#)
  - [Cancer Detection](#)

Graduation Project: SMART STORE

**Objective:** To develop a system using **RFID technology** and **Mobile App** that will solve most of the problems faced in current Supermarkets and to make shopping **more convenient** and **time efficient**.

PERSONAL DETAILS

**Date of Birth:** 26 April 1996  
**Marital Status:** Single  
**Languages Known:** English, Hindi and Marathi  
**Hobbies/Interests:** Watching Hollywood TV series, Movies, Cooking, Reading