






SHRADDHA MALADKAR

Data Scientist

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SUMMARY

- Over 4 years of experience as **Data Scientist** and **Software Developer**
- Completed BE in **Electronics and Telecommunication**, Postgraduate Diploma in **Data Science**, and Masters in **Machine Learning and AI**
- Worked on **Descriptive Analysis** and **Predictive Analysis** as Data Analyst using **Exploratory Data Analysis**
- Developed **Expense Dashboard** and utilized **NLP model** for text-based expense categorization
- Assisted in Rider Optimization and its Analysis by leveraging Data Science
- **Automation** was employed to streamline various financial processes
- Applied **Machine Learning and Computer Vision Algorithms** like CNN on various Data sets
- Worked on Applications that enhanced my knowledge in **Java** while implementing **Object-oriented concepts**, multi-threading, collections, serialization and schedulers
- Applied **encryption techniques** (AES, RSA, salt cryptography) for secure payments and created **APIs** for payment integration with various vendors, alongside basic **front-end web development**
- Functional knowledge of developing, **debugging** and unit **testing** was utilized

KEY SKILLS

Language: Java, HTML, SQL, Python

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

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

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

Cloud: Azure

PROFESSIONAL EXPERIENCE

Data Scientist	Oct '21 - Present
Tata AIA Life Insurance Company Ltd.	Mumbai

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

Tasks Performed:

- Produced a **customized Expense Dashboard** for expense tracking, budget comparison, and granular expense analysis
- Trained **NLP-based model** to classify text descriptions into expense categories
- 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
Expected Dec '23

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

Masters Thesis:
[Competition Benchmarking](#)

Post-Graduate Diploma Projects:

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