RAVI SONI

2.3 years at TCS | Python | Machine Learning | Data Science | Software Development | Oracle SQL

➤ WORK EXPERIENCE

- **Tata Consultancy Services (Dec 2018 - Present)**
  - Data Analysis and model training of banking data to find patterns and provide business logistics.
  - Performing data cleaning, feature engineering, feature selection and extraction on business data.
  - Development of automated reports using python scripts that are managed by upper management.
  - Worked on optical character recognition for cheque validations for clients.
  - Report development of different financial records for clients using Tableau and Jasper.
  - Backend web development of client's requirements and change requests.
  - Team Leader of Automation team oversea development activities along with automation testing**.**
  - Accomplished TCS digital role by clearing TCS Digital Assessment 2020.
  - Worked as Jasper report trainer providing new employees with respective KTs.
  - Clients are banking groups and financial services providers from Middle East, Paris and South Africa.

➤ TECHNICAL SKILLS

- **Programming Languages :**
  - Python, Java
- **Data Visualization :**
  - Matplotlib, Seaborn, pandas
- **Data analysis tools :**
  - MS Excel, Google Data Studio, Tableau
- **Data cleaning and preprocessing :**
  - Handling outliers, missing values & skewness
  - performing encoding and scaling
- **Feature selection and extraction :**
  - Filter, wrapper and embedded methods
  - PCA, LDA, Chi-Square, Variance threshold
  - L1 and L2 regularization techniques

- **Machine Learning algorithms :**
  - Supervised (Linear Regression, Random Forest, etc.)
  - Unsupervised (k-means, PCA)
- **Database Languages :**
  - Oracle SQL, DB2, MongoDB
- **Web Development :**
  - Flask, Pymongo, HTML, CSS
- **Web Scrapping:**
  - Selenium, Beautifulsoup
- **Programming concepts :**
  - Data Structures, OOPs

➤ EDUCATION

- **Bachelor of Technology** in Information Technology 2018 batch with 73%
- **Class- XII** (Senior Secondary) in Science with 78%
- **Class- X** (Secondary) with 77%

➤ PROJECTS

- **Loan Prediction & Analysis**
  - Developed a web application that predicts loan approval and give some business insights.
  - Data modelling is done on kaggle's lending club data using different models.
  - *(https://loan-prediction-analysis.herokuapp.com/)*
- **Invoice Image Recognition**
  - Developed a optical character recognition on Arabic invoices & create models for better accuracy.
  - Pytesseract, labelimg and multiple ML models are used. Same implemented for banking cheques.
  - *(https://invoice-processor.herokuapp.com/)*
- **Coronavirus Report**
  - Implemented a report on kaggle's coronavirus data using Google Data Studio.
  - Purpose is to visualize several aspects of data for people to effectively analyze patterns.
  - *(https://datastudio.google.com/reporting/7ab679b9-ad44-4c99-baad-3ec8ec8c1a78)*
- **VipKhana**
  - An offline web application for a startup "Vip Khana" to manage all the food delivery services.
  - Coded in Python language using modules Flask, pymongo with MongoDB database.
  - Dummy web application is deployed on Heroku for confidentiality purpose.
  - *(https://vipkhana.herokuapp.com/)*

Note: All the projects are available on GitHub at https://github.com/14ravisoni

➤ ACHIEVEMENTS

- Earned RASHTRAPATI AWARD by the President "Pranab Mukherjee" on September 09, 2012.
- Presented a research paper on "Online Ticketing System for Metro" at GCRSTS- 2016.
- Recognized for participating in Amity's "I believe" Debate competition in Lucknow.
- Participated in "App-A-Thon" App Development & Presenting competition in Faridabad.
- Secured "A" certificate in the Examination held in 2012 under the authority of Ministry of Defense, Government of India as a NATIONAL CADET CORPS (NCC) cadet.

Personal Details -

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- 🐙 github.com/14ravisoni

Certifications -

- PyTorch for Deep Learning with Python Bootcamp
- Python for Data Science and Machine Learning Bootcamp
- Data Analysis with Pandas and Python
- Python (Intermediate)
- The Complete Oracle SQL Certification Course
- Web Scraping In Python: Master The Fundamental
- Oracle 6 Weeks

Management Skills -

- Supervised automation team in TCS
- Implemented mathematics teaching team in a real life startup "Tesla Classes" in my city.
- Established management team in a real life startup "VipKhana" in my city.
- Restructured billing system at my flat
- Organized many events as Event manager in college
- Directed plays and nukkad nataks in college

Soft Skills -

- Attention to detail
- Good communication skills
- Team player
- Initiative
- Great organizing skills
- Smart worker

Hobbies -

- Musicophile
- Android OS Customization
- Web Scrapping
- Playing Basketball
- Listening Chillout EDM music
- Directing & Editing videos
- Writing short fictional stories
- Designing posters