

Satya Nerurkar

✉ satyanerurkar@gmail.com 📞 7738983639 📍 Mumbai, India in LinkedIn 🐙 GitHub

📁 PROFESSIONAL EXPERIENCE

Assistant System Engineer, Tata Consultancy Services
Royal Bank of Canada

Jun 2021 – Nov 2022
Mumbai, India

- Collaborated with 6 senior mainframe developers to identify customer requirements & analyze existing codes for continuous integration and enhancement.
- Prepared detailed deployment documents with screenshots and shared with client, resulting in a smooth and successful system implementation.
- Enhanced and Migrated 15 JCL scripts from one application to another, resulting in a successful transition with no disruption to existing services.
- Extracted users data from mainframe database using SQL by understanding client's requirement and successfully delivered the requirement on time.
- Successfully created multiple job flow documents for smooth functioning of manual activities, resulting in a decrease of errors by 30%.
- Successfully trained 4 new employees on the company's application, resulting in a more efficient work flow.

📁 PROJECTS

Insurance premium prediction ☑

present

- Designed and developed a Machine Learning model to estimate insurance premiums for on customer information and health details with 87% accuracy.
- Implemented a Flask API to provide customers with an estimate of their insurance premium cost.
- Deployed application on AWS cloud solution using GitHub workflow enabling users to access application quickly & securely.

Air pressure sensor fault detection system ☑

Dec 2022

- Successfully designed and developed a scalable Machine Learning model to detect failure in air pressure system, reducing the cost of unnecessary repairs by 10%.
- Created a CI-CD pipeline for the machine learning model which trained and improved the model on newly generated data.
- Successfully deployed machine learning model in production environment on Amazon web services cloud and Apache airflow.

WebScraper ☑

Sep 2022

- Developed a web scraper using the BeautifulSoup python package to extract relevant information and reviews about a searched product available on flipkart.com, resulting in more efficient data collection for the user.
- This web scraper can be useful for researching a product before making a purchase, or for finding out what others think of a product after using it.
- Successfully deployed the web scraper on cloud platform such as Heroku and Railway for general public use, making it accessible to anyone with an internet connection.

Data Analysis on US Accidents ☑

Feb 2022

- Conducted in depth statistical analysis with help of python visualization libraries to gain insights from US accident dataset containing 2000000+ data points.
- Various data exploration techniques were used to examine the relationships between different variables, such as the time of day, the day of the week, and the weather conditions, and to gather valuable insights.
- This information was then used to form hypotheses about how these variables might affect the number of accidents.

COURSES

Full Stack Data Science Master's Bootcamp, *Ineuron.ai*

- Mastered statistical analysis techniques, including data visualization and hypothesis testing.
- Obtained in-depth knowledge machine learning algorithms to build predictive models.
- Successfully applied machine learning techniques to linear and logistic regression classification and clustering problems.

Python for Data Science and Machine Learning, *Udemy*

- Gained hands-on experience in Python to build applications that can solve real-world problems.
- Analyzed data using pandas, matplotlib, and seaborn to understand trends and relationships between different variables.

Microsoft PowerBI Desktop for Business Intelligence, *Udemy*

- Learned how to gain valuable insights from business and marketing data with help of visualization tools.
- Created data Models and used the DAX Formula language to develop powerful calculations.
- Generated reports and dashboards using Microsoft Power BI.

CERTIFICATES

- Microsoft Certified: Azure Fundamentals [↗](#)
- Microsoft Certified: Azure Data Fundamentals [↗](#)
- Microsoft Certified: Azure AI Fundamentals [↗](#)
- IBM Machine Learning Essentials [↗](#)

EDUCATION

BE - Electronics Engineering, *Ramrao Adik Inst. Of Technology - University of Mumbai*

- CGPA: 7.25

Nerul - Navi
Mumbai, India

SKILLS

Statistics (*Descriptive and Inferential*) | **Machine Learning Algorithms** (*Regression, Classification, Clustering*)

Data Visualization (*PowerBI, Plotly, Seaborn*) | **Programming Languages** (*Python*)

Web Framework (*Flask*) | **RDBMS** (*MySQL*) | **NoSQL database** (*MongoDB*)

Cloud Platform (*Heroku, Azure, AWS*) | **Ticketing Tools** (*JIRA, Service Now*)

INTERESTS

Reading books | Trekking