ASRARULLAH SHERIFF.U

DATA SCIENTIST

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Objective

I am a skilled Data Scientist with a focus on machine learning. Proficient in Python and SQL, I have a strong foundation in data analysis, predictive modeling, and data visualization. I am Highly motivated about exploring new approaches and technologies to build accurate and scalable models. My expertise in machine learning and analytical skills make me a valuable addition to any organization.

Experience

System Engineer | Ippopay Technology Pvt.Ltd.   **August-2022**

- Knowledge of industry-standard scoring models such as Common Vulnerabilities and Exposures (CVE).
- Created data visualization graphics, translating complex data sets into comprehensive visual representations.
- Conducted security audits to identify vulnerabilities. Administered and monitored firewalls, intrusion detection systems and anti-virus software to detect risks.
- Encrypted data and erected firewalls to protect confidential information. Analyzed large datasets to identify trends and patterns in Network behaviors.
- Developed polished visualizations to share results of data analyses.
- Installed new software releases, system upgrades, and evaluated and installed patches and resolved software-related problems.
- Maintained data files and monitored system configuration to ensure data integrity.
- Installed, configured and maintained organization's operating systems.
- Analyzed and resolved problems associated with server hardware and applications software.
- Detected, diagnosed, and reported related problems on server, desktop and laptop systems.
- Created new user accounts and assigned to proper group memberships.

Technical Stack

- **DS/ML**: Python, supervised, semi-supervised, unsupervised, and reinforcement.
- **Framework/Modules**: Sklearn, PyTorch, Keras, Numpy, Pandas, Opencv, etc
- **Programming and DB Languages**: Python 3, MySQL, MongoDB.
- **IDE**: Jupyter Notebook, Google Collaboratory.
- **Cloud Computing**: Git, Docker
- **Web Clouds**: Google Console,O365, Endpoint, Firewall, Access Point, ManageEngine Desktop Central
- **Data Visualization tools**: Tableau, Power BI
- **Data Tools**: Excel, Spreadsheet, Flow Chart, Draw.io, balsamiq
- **Soft Skills**: Critical thinking, Research, Collaboration, Time management, communication, and Project management.

Projects

- **Travel Package Purchase Prediction**   August-2023

  Business Objective: To predict which customer is more likely to purchase the newly introduced travel package.

  Approach: The "Visit with us" travel company dataset is used to analyze the customers' information and build a model to predict the potential customer who is going to purchase the newly introduced package.

  Tools Used: Python(Jupyter Notebook)

  Algorithms Used: Exploratory Data Analysis, Data Preprocessing, Customer Profiling
  Machine Learning Algorithm: Ensemble techniques(Bagging Classifiers-Bagging and Random Forest, Boosting Classifier-AdaBoost, Gradient Boosting, XGBoost, Stacking Classifier, Hyperparameter Tuning using GridSearchCV)

- **Car Price Prediction**   May-2023

  Business Objective: We are required to model the price of cars with the available independent variables. It will be used by the management to understand how exactly the prices vary with the independent variables. They can accordingly manipulate the design of the cars, the business strategy etc. to meet certain price levels. Further, the model will be a good way for management to understand the pricing dynamics of a new market.

  Approach: : The "Visit with us" cars company dataset is used to analyze the price' information and build a model to predict the potential customer who is going to purchase the newly introduced package.Analyzed exploratory data analysis techniques to understand the distribution between features and target variables, resulting in a 70%

  Tools Used: Python(Jupyter Notebook), Power BI

  Algorithms Used: Exploratory Data Analysis, Data Preprocessing, Customer Profiling
  Machine Learning Algorithm: Ensemble techniques Linear Regression & RFE (Recursive Feature Elimination)

- **Dry Sliding Wear Behavior of titanium alloy** (Academy project)

  Approach: Wear behavior of titanium alloy, characterize the wear behavior of titanium alloy sample to different load conditions, microstructural morphology of the given sample, perform the study of the given titanium alloy sample in tribology lab. Analyzed exploratory data analysis techniques to understand the distribution between sample load conditions.

  Tools Used: Python(Jupyter Notebook), Origin lab,Microsoft office.

Education

- **IIT Madras Digital skills Academy**   **2022-2023**

Advanced Programming and Master Data Science

- **B.S. Abdur Rahman Crescent Institute of Science and Technology**   **2019-2022**

Bachelor Of Technology Mechanical Engineering

- **Meenakshi Krishnan Polytechnic College**   **2015-2018**

Diploma in Mechanical Engineering

Internships

- Operation Engineer Trainee   September2021-November2021

  Immunotech Equipment Private Limited

  Conducting research and analysis to identify ways to improve system efficiency, reduce energy consumption, and increase safety.
  Participating in the testing of new equipment and systems.

CERTIFICATES

- Python Certification   October-2022
- Data Analytics Using Pandas   November-2022
- MongoDB   December-2022
- Chatgpt for Everyone   July-2023
- Lean Six Sigma Yellow Belt   August-2021

HACKATHONS

- India Design Week -2022 using fusion 360 Autodesk   March-2022
  Sai ram college of engineering

VOLUNTEER

- National Service Scheme:MKPTC   March-2014
  Role : Gardening