
SHUBHAM SRIVASTAVA

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Solution-driven hardworking graduate with an academic background and experience in Data Analytics & Business Intelligence. Motivated to learn and apply learned competencies in a real-time setting. Seeking a work environment that supports professional and personal growth.

SKILLS

- **Programming Languages:** Python, R, SQL, C++.
- **Data Science Technical Skills:** Machine Learning, Predictive Analytics, Data Analysis, Deep Learning, NLP, Recommendation System, Statistical Data Analysis, Computational Statistics, and Data Warehousing.
- **Data Visualization Tools:** Tableau, IBM Cognos & Power BI.
- **Deployment:** Netlify & Heroku.
- **Other Technical Skills:** Git & GitHub, WordPress, Data Structures, Microsoft Excel, HTML & CSS.
- **Management Skills:** Project and Risk Management, IT Strategy and Knowledge Management, IT Service Management, Analytical Thinking, and Problem-Solving.
- **ML Libraries:** sklearn, NLTK, NumPy, Pandas, Matplotlib, Seaborn, and Keras.

EDUCATION

- **Masters in IT And IT Management** **FEB 2020 – DEC 2021**
Major: Data Management and Analytics
University of Sydney, Sydney
WAM: 68
- **Bachelors in CSE** **JULY 2013 – MAY 2017**
Major: Mainframe technology
University of Petroleum & Energy Studies - India
GPA: 67

WORK HISTORY

1. **TUTOR – THE UNIVERSITY OF SYDNEY** **JULY 2022 – CURRENT**
 - Currently tutoring over 100 students in one semester in an IT Service Management class at the Postgraduate level.
 - Coordinated lesson plans, course materials, and discussion questions to prepare for the session.
 - Course including teaching **ITIL Lifecycle, Internal & External Analysis, Portfolio Management, Change management, Service Operations & IT Governance.**
2. **BUSINESS ANALYST INTERN – ASHITA CONSULTANTS** **AUG 2018- AUG 2019**
 - **Performed Requirement Analysis and gathered data** from a variety of Sources.
 - Identified organizational challenges through **SWOT and PESTLE Analysis** and helped stakeholders with objective formulation through consultations
 - **Investigated and analyzed data sets to produce insights, reports, and strategic and tactical recommendations for policy change based on the identified issues.**
 - **Performed gap analysis between solutions and the stakeholder need.**
 - **Assisted with risks, issues, and project change management.**
 - **Predicted trends and patterns** with attention to recruitment, and hiring practices based on the statistics.
 - **Developed dashboards, reports, and visualizations to support client & Stakeholders' Objectives.**
3. **SOFTWARE DEVELOPER INTERN – SMART SOFTWARE TESTING SOLUTIONS** **OCT 2017 – JAN 2018**
 - Worked on **the front-end part using HTML & CSS and coordinated with project teams** on development timelines.
 - Determined business and functional requirements for business needs and directly communicated with the clients to understand their requirements.
4. **COLLEGE INTERN – WIPRO LIMITED** **JUNE 2016 – JULY 2016**
 - Worked on **IGRS Web Portal**, Networked, and built a presence with peers to facilitate the testing of the website.
 - **Built reports and collaborated with a professional team to solve issues.**
 - **Found bugs & enhancements in the project & assisted in the documentation.**

RESEARCH PAPER

1. **A STUDY ON CONSUMER BUYING BEHAVIOR TOWARDS MOBILE PHONES** **SEPT 2019**
 - This paper aims to analyze the factors that influence the consumer to purchase mobile phones.
 - The research paper can be accessed at <http://ijsrd.com/Article.php?manuscript=IJSRDV7I60163>
2. **EVALUATING CLASSIFICATION TECHNIQUES ON DIFFERENT CATEGORIES OF DATASETS** **MAY 2018**
 - This paper addresses the question by investigating the relation & the variability that may exist between the data set and classifier bias using statistical analysis & the Machine Learning Algorithm.
 - The research paper can be accessed at <http://ijsrd.com/Article.php?manuscript=IJSRDV6I20166>

REGRESSION PROJECTS

1. CAR PRICE PREDICTION

FEB 2022

- The focus of this project is to predict the selling price of a Car based on the different ML algorithms.
- **Deployed on Heroku:** <https://carsellingpricepredictions2022.herokuapp.com/>

2. AI GUIDED FINANCIAL TRADING (Capstone)

NOV 2021

- In this project, we anticipated studying the economic patterns by digging deep into the historical data and market reactions using **technical indicators & trading strategies to predict the future direction of the markets.**
- For this project, we have tried to **improve the performance** by optimizing the Model with Hyperparameter optimization and also by **optimizing the Trading strategies using the Backtesting strategy** to enhance profitability.
- **We have implemented a hybrid model of stack layers of CNN & LSTM with attention** to the prediction of Forex Prices.

DATA VISUALISATION PROJECTS

1. TABLEAU

AUG 2022

- **Sales insights of Walmart:** Created a Dashboard to get a holistic view of all the data behavior in different regions.
- **Churn Analysis:** Created a Dashboard to help businesses understand customers' behavior towards Bank policies.
- **Analyzed the US Cybercrime Attack** dataset and created a dashboard and multiple visualizations to solve the different problem statements such as Severity of attack, Intensity, etc.

SENTIMENT ANALYSIS PROJECTS

1. SENTIMENT ANALYSIS ON TWITTER – NLP

APRIL 2021

- For the project, I have used NLTK's Twitter dataset. I have implemented a **Twitter sentiment analysis model using LSTM** that helps to overcome the challenges of identifying the sentiments of the tweets.

RECOMMENDATION SYSTEM PROJECTS

1. MOVIE RECOMMENDATION

APRIL 2022

- This project is a **Content-Based Recommender System** that recommends movies to a user by using the similarity of movies and the System analyses the sentiments on the reviews given by the user for that movie.
- Performed EDA graphically and numerically to understand Data's behavior.
- This project includes **Collaborative Filtering, Modeling, and NLP Sentiment analysis** to produce results.
- **Deployed on Heroku:** <https://moviesrecommend0211.herokuapp.com/>

CLASSIFICATION PROJECTS

1. RAIN FORECASTING

MARCH 2022

- The purpose of developing this app is to predict whether it will rain the next day or not. This model is based on the Rain Prediction in Australia dataset.
- Performed very **detailed Exploratory Data Analysis, feature engineering, and feature Selection techniques** to handle the varied and unstructured data.
- **Deployed on Heroku:** <https://australiarainforecasting2022.herokuapp.com/>

2. COTTON DISEASE PREDICTION

FEB 2022

- The purpose of this project is to classify the cotton leaf diseases based on the Deep Learning models.
- **This image Classification problem** includes **ML & DL algorithms** such as **SVM, CNN, and LSTM.**

3. ANALYSIS OF WISCONSIN BREAST CANCER

APRIL 2020

- The focus of this project is to correctly predict the target class and improve it by checking the effectiveness of attributes using different ML algorithms such as Naïve Bayes, SVM, Random Forest, etc.

MANAGEMENT PROJECTS

1. NOKIA REVAMP

NOV 2021

- In this Project, we assessed Nokia's situation back in the 1990s till its downfall. We had identified the reasons for their downfall & other external factors.
- We have **conducted& implemented SWOT Analysis, Risk, Change and Strategic Management**, etc.
- We prepared multiple reports and proposed a solution based on Project management & IT Strategies & Values that were completely based on the stakeholder's needs and requirements.

For More projects & their details visit my portfolio: <https://shubhamportfolio0211.netlify.app/> & <https://github.com/shubhamsrivastava951> (GitHub)

CERTIFICATIONS

- Udemy: Python for Data Science and ML
- Udemy: Python
- Udemy: Statistics for Data Science & BA
- LinkedIn: Building DL applications using Keras 2.0

- Udemy: Tableau Data Analyst Certification
- LinkedIn Tableau & SQL essentials
- SQL: Data Reporting and Analysis
- Edwisor.com: Data Science in Python and R