

---

# SHUBHAM SRIVASTAVA

+61-431519300 | [shubhamsrivastava951@gmail.com](mailto:shubhamsrivastava951@gmail.com) | [www.linkedin.com/in/shubhamsrivastava951](http://www.linkedin.com/in/shubhamsrivastava951) |

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.
- **Data Visualization Tools:** Tableau and Power BI (Learning).
- **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.

---

## 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**
  - Tutoring over 100 students in one semester in an **IT Service Management** class at the Postgraduate level.
  - Course including teaching **ITIL Lifecycle, Internal & External Analysis, Portfolio Management, Change management, Service Operations & IT Governance.**
  - Help the lecturer to design quizzes and assignments and mark the submission.
- 2. BUSINESS ANALYST INTERN – ASHITA CONSULTANTS** **AUG 2018- AUG 2019**
  - **Performed in-depth research & requirement analysis** to understand business requirements and helped 10+ organizations to **increase their revenue and gain a competitive advantage in their respective market segment.**
  - Identified organizational challenges, and **performed risk and gap analysis** through SWOT and PESTLE techniques.
  - Investigated and compiled data using **data visualization**, working with 2 senior business analysts to infer meaningful insights that **improved organizational processes for several companies through the ITIL life cycle.**
  - Contributed to presentation preparation and Communicated strategies and plans to the team, stakeholders, and client in the meetings.
  - **Predicted trends and Developed dashboards**, reports, and visualizations to support client & Stakeholders' Objectives **and received 100% positive feedback for participation in documentation, visualization, reporting, and strategy formulation.**
- 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 client portal issues.**
  - **Found bugs & enhancements in the project & assisted in the documentation.**
- 5. RESEARCH WORK**
  - a. A study on consumer 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://ijssrd.com/Article.php?manuscript=IJSRDV7I60163>
  - b. Evaluating classification techniques on different categories of Dataset** **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://ijssrd.com/Article.php?manuscript=IJSRDV6I20166>

---

## PROJECTS

---

### HEALTH CARE PORTAL

(ONGOING)

- The purpose of this end-to-end project is to create a healthcare portal that will help users to predict their associated diseases and recommend suggestions related to the diseases such as Parkinson's, breast cancer, malaria, covid, etc. based on the ML & DL models.

### REGRESSION PROJECTS

#### 1. CAR PRICE PREDICTION

FEB 2022

- The focus of this end-to-end project is to predict the selling price of a Car based on the different ML algorithms.
- We have used the **random forest regressor** to predict the selling prices since this is a regression problem and that random forest uses multiple decision trees and has shown good results for my model with a **mean accuracy value of cross-validation is 86%**.
- **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 Hyperparameter optimization and also by optimizing the trading strategies using the Back-testing strategy** to enhance profitability.
- We have implemented a hybrid model of **stack layers of CNN & LSTM with attention** to the prediction of Forex Prices and achieved an **RMSE score of 81%**.

### SENTIMENT ANALYSIS ON TWITTER – NLP

APRIL 2021

- For the project, I have used NLTK's Twitter dataset. Used the combination of **word embedding and Lexicon embedding as input for the Bi-LSTM model** to generate a better prediction of positive and negative sentiments.
- Evaluated the performance of the sentiment analysis system, and got an **accuracy of 91.82% and an F1-measure is 92.39%**.

### CLASSIFICATION PROJECTS

#### 1. RAIN FORECASTING

MARCH 2022

- **Performed Data analysis and applied ML model** to predict whether it will rain the next day or not. This model is based on the Rain Prediction in Australia dataset.
- **The logistic Regression model accuracy score is 0.84 and the model shows no sign of Underfitting or Overfitting.** This means the model generalizes well for unseen 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 using image classification** concepts based on Machine and Deep Learning Models.
- Used techniques are **CNN, and LSTM** to solve the problem and achieve an **f1 score of 73% and 86% precision**.

#### 3. ANALYSIS OF WISCONSIN BREAST CANCER

APRIL 2020

- The focus of this project is to correctly predict the target class and improve it by applying cross-validation and checking the effectiveness of attributes using different ML algorithms such as Naïve Bayes, SVM, Random Forest, etc.
- **The mean accuracy value of cross-validation is 96.24% and the Random Forest model accuracy is 98.24%.** It shows Random Forest is slightly overfitted but when training data will more it will be a generalized model.

### DATA VISUALISATION PROJECTS: TABLEAU

- **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.

### 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 prepared reports and proposed a solution based on **Project management, IT Service Management & IT Strategies & Values concepts** 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