SHUBHAM SRIVASTAVA

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Solution-driven graduate with an academic background in Data Analytics & Business Intelligence. Dedication to learning and adapting to evolving industry trends and using the knowledge of Data Analytics & Business Intelligence techniques to develop predictive models and solutions to complex problems to ensure improved efficiency and productivity of businesses, and serve clients through continuous process improvement initiatives. Seeking a work environment that supports professional and personal growth.

SKILLS

- **Programming Languages:** Python, R, SQL, C++, OOPS.
- **Data Science Technical Skills:** Machine Learning, Predictive Analytics, Data Analysis, Deep Learning, NLP, Statistical Data Analysis, Statistics, Computational Statistics, and Data Warehousing.
- **Data Visualization Tools:** Tableau & 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.

HIGHLIGHTS

- Mentor, educate, and inspire students to understand the importance of integration of IT and IT Management.
- Skilled in libraries such as **sklearn, NumPy, Pandas, Matplotlib, Seaborn, and Keras.**
- Detailed Understanding and the implementation of the various **project management (Change, risk, Strategy, etc.) & IT Service Management** concepts to conduct the proper **business analysis (SWOT analysis, PESTLE Analysis) and generated reports, and insights.**
- Quantitative and Qualitative Analysis of large datasets of both structured and unstructured data to discover trends and patterns.
- **Performed Exploratory Data Analysis, Statistical Analysis, and various Data Pre-processing Techniques** on different domains of datasets to make data useful for creating Machine Learning and Deep Learning Models.
- Build various **regression, classification, and clustering algorithms** for prediction such as **Linear Regression, Decision Trees, Naïve Bayes, CNN, LSTM, and Attention**.
- Completed **End-to-End projects using ML, NLP, and DL concepts and deployed them on Heroku and Netlify**.
- Executed some Data Analytics projects using tools such as **Tableau and Power BI** for Data Visualization.
- **Published 2 research papers** in Machine Learning Domains.

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 IT Service Management at the Postgraduate level.
- Taught over 100 students in one semester.
- 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.**
- Helped students develop critical thinking skills and strong study habits to improve grades.

2. BUSINESS ANALYST INTERN – ASHITA CONSULTANTS   **AUG 2018- AUG 2019**

- **Performed Requirement Analysis and gathered the 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 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.
- Based on metrics and analysis, clearly **communicated and recommended policies** and activities to improve the organizational culture.
- **Developed dashboards, reports, and visualizations to support client & Stakeholders' Objectives.**

3. UI 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.
- Tested programs and made necessary modifications. Modified existing designs to meet a unique need.

4. COLLEGE INTERN – WIPRO LIMITED   JUNE 2016 – JULY 2016
- Worked on IGRS Web Portal and **Ensured functionality & corrected before website launches**.
- 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.**

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

PROJECTS

PERSONAL PROJECTS

1. HEALTH – CARE(ON-GOING)   JULY 2022 - CURRENT
- The purpose of this project aims to create a health care app that will help the users predict their associated diseases such as heart, malaria, covid, etc. **based on the ML & DL models**.
- **Will be deployed on AWS EC2 instance** (Ongoing).

2. 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.

3. 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/

4. RAIN FORECASTING   MARCH 2022
- This is a **classification problem** and Included various Machine Learning algorithms
- 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/

5. 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.
- This Project is a **Regression Problem**
- **Deployed on Heroku:** https://carsellingpricepredictions2022.herokuapp.com/

6. 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.**

ACADEMIC PROJECTS

1. 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 reaction using the technical indicators & trading strategies to predict the future direction of the markets.
- For this project, we have tried to **implement the new concept of external attention with stack layers of CNN & LSTM** for the prediction of Forex Prices.
- **My responsibilities:** Data Pre-processing and integration and implementation of CNN, LSTM, and Attention Model.

2. 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.

3. 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 RNN** that helps to overcome the challenges of identifying the sentiments of the tweets.

4. TABLEAU   OCT 2020
- 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**.

5. 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.**

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
- Udemy: Tableau Data Analyst Certification
- LinkedIn Tableau & SQL essentials
- LinkedIn: Data Analyst Certification
- LinkedIn: Building DL applications using Kera's 2.0
- Edwisor.com: Data Science in Python and R