Shubham Srivastava

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"To associate with a vibrant organization to fully utilize my skills, and knowledge and contribute to the overall growth of the organization".

Education

Degree	University	Year & Month of Completion	Marks (%)
Master in IT and IT Management with a Major in Data Management and Analytics	**University of Sydney**	Dec - 2021	CWAM: 69.2
Bachelors in CSE with Specialisation in Mainframe Technology	**University of Petroleum & Energy Studies**	May - 2017	67

Skills And Abilities

Technical Skills:
- **Programming Languages:** Python, R, SQL, C++.
- **Data Science Skills**: Machine Learning, Predictive Analytics, Data Cleaning, Data Analysis, Deep Learning, NLP, Statistical Data Analysis, Statistics, Computational Statistics & Data Visualisation (Tableau).
- **Deployment:** Netlify & Heroku.
- **Other Technical Skills:** Git & GitHub, WordPress, Data Structures, HTML & CSS, Microsoft Excel.
- **Management Skills:** SDLC, IT Strategy, Project Management, ITSM, Analytical Thinking, and Problem-Solving.

Interpersonal Skills:
- **Quantitative Skills** demonstrated by excellence in subjects like Probability and Statistics.
- **Communication Skills** honed by dealing with project teammates during my masters at Usyd.
- **Teamwork** developed by participating and organizing fests like Ignite Technical fest (UPES), Internship at Wipro & Smart Software, Capstone Projects as well as other projects/ Assignments.
- **Management Skills** refined by being a project manager as well as studied various management subjects & completed respective projects at Usyd.
- **Time Management Skills** honed by balancing academics, extra-curricular activities within the university, and part-time jobs.
- **Leadership Skills** developed by opting for different Positions of Responsibility in my projects at Usyd.
- **Public Speaking Skills** displayed by giving the project's presentation.

Work Experience

1. Ashita Business Solutions   [Aug 2018- March 2019]
- Worked as **Business Analyst Intern**.
- Collects and compiles HR metrics and data from a variety of sources.
- Analyses data and statistics for trends and patterns with attention to recruitment, hiring practices, motivation, turnover, and compliance with employment laws and regulations.
- Identifies and recommends reasonable short- and long-term goals, milestones, and benchmarks for key performance metrics.
- Based on metrics and analysis, makes recommendations for policies and activities to improve the organizational culture including suggestions to attract and hire qualified candidates, motivate and retain employees, address staffing issues, and maintain legal compliance.
- Ensures compliance with data privacy regulations and best practices.
- Prepares reports of data results, presenting and explaining findings to senior leadership.

2. Smart Software testing Solutions- Intern   [Oct 17 – Jan 18]
- Worked as UI developer on **Certifaya Portal** and coordinated with project teams on development timelines Determined business and functional requirements for business needs.
- Tested programs and made necessary modifications. Modified existing designs to meet a unique need.

3. Wipro Limited – Intern   [June 16 – July 16]
- 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 Papers

1. Evaluating Classification Techniques on different categories of datasets
Paper ID: IJSRDV6I20166   **Published in** Volume 6, Issue 2   **Published Date:** 01 May 2018

- Choosing a suitable classifier for a given problem has been a challenging task that typically requires experiments with different classification techniques.
- 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

2. A study on Consumer buying behaviour toward Mobile Phones
Paper ID: IJSRDV7I60163   **Published in** Volume 7, Issue 6   **Published Date:** 01 Sept 2019

- This paper aims to analyze the factors that influence the consumer to purchase mobile phones.
- It studies the various determinants through which consumer buying decisions are influenced.
- The research paper can be accessed at http://ijsrd.com/Article.php?manuscript=IJSRDV7I60163

Projects
Technical Projects

1. Analysis of Wisconsin Breast Cancer   [APRIL 20]
- It is a classification dataset, which records the measurements for breast cancer cases.
- 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.

2. Sentiment Analysis on Twitter data – NLP   [APRIL 21]
- 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

3. Computational Statistics in R   [OCT 21]
- The purpose of this task is to predict if the client will subscribe to a term deposit from a Portuguese bank.

4. Stock Price Prediction using ML and DL models.   [NOV 21]
- This project uses Machine Learning & Deep learning LSTM model with attention in Python to estimate the stock value.
- Moreover, we have formulated our trading strategies to obtain the market trends and evaluate our trading strategies. We have implemented the backtesting and later we have tried to improve the profits.

5. AI Guided Financial Trading (Capstone).   [NOV 21]
- 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.**

6. Tableau   [MAY 21]
- Analysed US Cybercrime Attack dataset and created a dashboard.

7. Tableau   [JAN 22]
- Analysing customer Churn Analytics

8. Car price Prediction   [FEB 22]
- 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/

9. Cotton Disease Prediction   [FEB 22]
- The purpose of this project is to classify the cotton leaf diseases based on the Deep Learning models.
- Will be deployed on AWS EC2 instance.

10. Movie Recommendation   [MARCH 22]
- This project is a Content-Based Recommender System that recommends movies similar to the movie user likes and analyses the sentiments on the reviews given by the user for that movie.
- Deployed on Heroku: https://moviesrecommend0211.herokuapp.com/

11. Rain Forecasting   [MARCH 22]
- 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.
- Deployed on Heroku: https://australiarainforecasting2022.herokuapp.com/

12. Health Care (Ongoing)
- The purpose of this project is to create a health care app that will help the users to predict their associated diseases such as heart, malaria, covid, etc based on the ML & DL models.
- Will be deployed on **AWS EC2 instance**.

13. Self-Profile webpage (Data Science Portfolio)   [JAN 22]
- Created a self-designed webpage from scratch using HTML, CSS & JS to present my data science project Showcase.
- Deployed on Netlify: https://shubhamportfolio0211.netlify.app/

Management Projects
14. Project Management   [DEC 20]
- Developed an integrated AI-based model with an e-commerce platform for better-commercializing coal ash residuals between the consumers and the suppliers by adhering to all the Constraints of PM.

15. IT Service Management   [DEC 20]
- This report had been recommended to the bank to improve its efficiency and the effectiveness of its IT Services through Outsourcing and the IT Service Management lifecycle concepts.

16. Nokia Revamp   [NOV 21]
- 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.
- Eventually, we had proposed a solution based on **IT Strategies** & **Values** that were completely based on the stakeholder's needs and requirements.

Certifications
- Udemy: Python for Data Science and ML
- Udemy: Statistics for Data Science & BA
- LinkedIn Tableau &SQL essentials
- Linked: Building DL applications using Keras 2.0
- Edwisor.com: Data Science in Python and R
- Udemy: Python
- Udemy: Tableau Data Analyst Certification
- LinkedIn: Data Analyst Certification

Achievements
- Participated in Ignite Technical Fest.
- Participated and won 1st prize in ARDUER event in UPES IGNITE.

Interests
- Swimming
- Reading Novels & Poetries
- Watching TV series.
- Playing Cricket & Chess
- Cooking Indian cuisine

Languages Known
- English
- Hindi

Referees
- Available on request