SHASHWAT JYOTISHI

shashwatj9914@utexas.edu | Austin, TX, 78705

+1 (832) 916-1465 | linkedin.com/in/shashwatj9914/ | github.com/shashwatj9914

EDUCATION

The University of Texas at Austin, Austin, TX, US   **08/2021 – 05/2023**
M.S., Information Systems (Specialization: Applied Machine Learning & Deep Learning)   GPA 3.89/4.00
Courses: Data Mining, Machine Learning, Statistical Methods II, AI in Healthcare, Data Semantics, Data Storytelling

Medi-Caps University, Indore, MP, India   **08/2017 – 05/2021**
B.Tech. (Honors), Computer Science Engineering   GPA 3.96/4.00
Courses: Data Science, Database Management System, Artificial Intelligence, Calculus, Probability & Statistics, Discrete Mathematics, Design & Analysis of Algorithms, Data Structures, Python Programming, Object Oriented Programming in C/C++, R Programming

TECHNICAL SKILLS & CERTIFICATIONS

Dashboards & DB:	MS Power BI (DAX, View, Query), Tableau, MS Excel, MS SQL Server, MySQL, Hadoop
Programming:	Python (pandas, numpy, scikit-learn, matplotlib, seaborn, tensorflow, Keras, opencv, BeautifulSoup, nltk), Machine Learning, Deep Learning, Computer Vision, Data Strcutures & Algorithms, Java, C++, HTML, CSS
Statistical Skills:	SAS, SPSS, Regression, classification, clustering, dimensionality deduction, ensemble learning, hypothesis testing, principal component analysis (PCA), SEO (Google Analytics)
Certifications:	Improving Deep Neural Networks (DeepLearning.AI), Neural Networks & Deep Learning (DeepLearning.AI), IBM Data Science Professional Certification, Tableau Analyst Professional, Google Analytics Individual Qualification, MS Power BI Professional, MS Office Specialist (Excel Associate), Python Data Structures

BUSINESS EXPERIENCE

***University of Texas at Austin*,** McCombs School of Business, Austin, TX   **09/2021 – Present**
Graduate Student Assistant – Data Analyst
• Supported the stewardship department on various tasks, including data entry and file organization/management of 10000+ records
• Generated over 25 drill-through, drill-down, parameterized, linked reports in Power BI using m-query and DAX operations
• Consolidated and tracked data through Excel, Tableau, MS Power BI, MS Word and VIP Software

***Sysmetis IT Solutions*,** Indore, MP, India   **01/2021 – 04/2021**
Machine Learning Intern
• Developed a content recommendation system based on collaborative filtering
• Based on the content viewed by the user, the system recommended new articles of the same genre which the user has not seen before
• Helped our client in achieving an increase in the user engagement on the platform from 16.26% to 23.41%

***Affimintus Technologies*,** Indore, MP, India   **03/2020 – 09/2020**
Data Analytics & Visualization Intern
• Designed a Tableau app to perform "Peer to Peer Lending Analysis" for a client which resulted in building 12% of their loan pipeline
• Conducted root cause, trend, predictive analysis on 20+ lenders-borrowers and streamlined customer-facing processes
• Analyzed facts, dimensions and consolidated insights into 18 data stories in Tableau to identify business critical KPIs

***USIA Softech Solutions Pvt. Ltd.*,** Indore, MP, India   **06/2019 - 07/2019**
Data Science Intern
• Pre-processed and validated about 1.5 million datasets to develop a product assessment model using statistical analysis in Python
• Scripted about 30+ queries and stored procedures in SQL to deliver ad-hoc reports for business stakeholders on a daily basis
• Applied regression analysis to identify gaps, re-formulate strategies and reduced project lags by 45% drop in recurring issues

ACADEMIC PROJECTS

Customer Churn Prediction using Deep Learning and Python   **12/2020 – 01/2021**
• Developed a deep learning model with an accuracy of 82% using tensorflow to predict customer churn rates of a telecom company
• Pre-processed and trained the model using artificial neural network, used relu activation for hidden layers and sigmoid for output layer
• Tried different techniques to handle the imbalanced dataset and improved the f1 score of minority class from 0.57 to 0.81 using SMOTE

Travel Recommendation System using Java and Python   **08/2020 - 12/2020**
• Presented a travel itinerary model hypothesis to showcase the probability of the success of a psychologically evaluated trip
• Devised the front-end in html, css, javascript and the back-end with web scrapping in Python using BeautifulSoup
• Deduced behavior and patterns with sentimental and predictive analysis using Transfer Learning on pre-trained BERT Model

AWARDS & HONORS

• Star Intern, Sysmetis IT Solutions   **05/2021**
• Dean's Honors Scholarship, Medi-Caps University   **08/2017**