Snehal Ghatpande

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EDUCATION

M.S. in Information Management, Syracuse University, **GPA – 3.95** **May 2021**
Coursework: Data Analysis – Decision Making, Data Science, Big Data, Data Warehouse, Strategy Management, Business Analytics

B.E. in Information Technology, University of Pune, **GPA – 3.5** **May 2017**
Coursework: Advanced Database, Natural Language Processing, Machine Learning, Business Intelligence, Cloud Computing

TECHNICAL SKILLS/ CERTIFICATIONS

Certifications: Microsoft Office Excel Specialist, Tableau Analyst, Certificate of Advanced Study in Data Science
Programming Languages: R, Python, SQL
Databases: MS SQL Server, MySQL, Mongo DB
Tools: MS Excel, Tableau, MS Power BI, Hadoop, Spark, SAS, Qlik Sense, Google Analytics, WEKA, JIRA

EXPERIENCE

Data Analyst, iConsult Collaborative, Syracuse University Python| SQL| Tableau **Aug 2020 – Present**
- Translate business needs to technical requirements to find KPI's that drove poverty in a county of 120K people
- Retrieve data from over 10 sources using SQL scripts and built a unified source for conducting further data analysis
- Develop a predictive model to derive critical factors to be emphasized for the households to be above poverty with 62% precision
- Propose strategies for a 3% drop in the distress rate by conveying decisive findings through Tableau dashboards

Weather Data Analyst, TruWeather Solutions LLC, Syracuse Python | SQL | Power BI | Google Analytics | Excel **Jun 2020 – Dec 2020**
- Developed and automated pipelines to combine data from weather sources improving the process time by 25% for weather analytics
- Built database to load data using SQL queries and created dashboards in Power BI to deliver actionable insights and support decisions
- Collaborated with meteorologists to process and analyze weather trends to reduce risks due to adverse weather by 18%
- Avoided an estimated $43k loss through effective planning, proposing solutions and strategies for business challenges
- Automated report creation for weather data and project KPIs to save ~20% of time spent in manual creation of reports using Python
- Initiated the use of Google Analytics to analyze customer behavior, track goals and lower the bounce rate by 5%

Business Data Analyst, iConsult Collaborative, Syracuse University Python| Tableau **Jan 2020 – Jul 2020**
- Collaborated with cross-functional teams to explore 400K records of patient data for finding disease patterns in Onondaga County
- Performed data cleaning for handling null values and feature engineering for developing interpretable data from raw values
- Analyzed data, drew insights and presented results in an intuitive manner using Tableau for the client to make data driven decisions
- Improved statistical models by tuning Hyper-parameters using Grid-Search to build classification models with 78% recall in the results

SAP Business Intelligence Consultant, Accenture, Pune, India SAP BW | BEX Analyzer | SAP HANA **Sept 2017 – Jun 2019**
- Modeled BW flows using SAP NetWeaver to consolidate data from 10 sources for a mining client to improve service reliability by ~30%
- Defined data quality checks and reconciliation processes to verify and validate production data for the client every 24 hours
- Designed reports by building queries in BEX Analyzer that helped business expand profitability by 20%
- Created Process Chains to automate loading process for master and transactional data and reduce the loading time by 30%
- Eliminated obsolete process steps from system to improve system stability and database performance by ~25%
- Migrated data flows from 3.x to 7.x and Oracle database to SAP HANA database which tweaked the data reporting speed by 56%

ACADEMIC PROJECTS

Health and Vehicle Insurance Cross Sell Prediction – Big Data Analytics Python| Spark| Machine Learning **Aug 2020 – Dec 2020**
- Classified insurance sales using logistic regression with 69% accuracy on a dataset of over 500000 instances in PySpark
- Revamped the model leveraging Naïve Bayes, Random Forest and Gradient Boosting (GBM) to achieve 78% accuracy
- Implemented Neural Networks with 87% accuracy to foretell if a customer would be interested in vehicle insurance cross sell

Airline Customer Satisfaction Analysis – Data Science R | Data Science **Sep 2019 - Dec 2019**
- Analyzed raw CSV dataset of 200K customer experiences and ticket sales across USA delivering insights based on multiple features
- Inspected low satisfaction variables and recommended business solution enhancing customer satisfaction & amplifying sales by 12%
- Generated data visualization reports utilizing maps to trace routes & bivariate plots with multiple parameters for client presentation

LEADERSHIP

Data Science Program Manager, NEXIS Research Lab, Syracuse University **Jan 2020 – Present**