NEHA NAIK

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PROFESSIONAL SUMMARY

Experienced professional with a decade-long track record in data analysis, business intelligence, project management, and business process improvement. Possesses advanced analytical, reasoning, and problem-solving skills. Demonstrates expertise in handling large datasets, effectively communicating findings to technical and non-technical team members. Proficient in SQL, Qlik, Power BI, Tableau, and Python for data analysis in machine learning and BI projects.

EDUCATION

Master's in Analytics (Artificial Machine Intelligence)   *Sept. 2022 – Mar. 2024*
Northeastern University, Boston, MA

Master of Computer Application   *Jun. 2009 – Jul. 2012*
MET, Bandra, India

WORK EXPERIENCE

Saint Gobain, Mumbai, India (8 Years)

Business Intelligence Analyst   *Sept.2014 – Sept.2017*
- Analyzed monthly invoice data for FFSC team and detected outliers through the application of the z-score algorithm, leading to a significant 50% reduction in manual processing time
- Gathered logistics and sales data for Weber UK, developed a Qlik Sense business intelligence dashboard boosting visibility by 80% in demand, supply, and on-time delivery
- Implemented and deployed a machine learning model using Random Forest algorithm for 350+ employee attrition, cutting HR efforts by 30% and earning the 2018 Innovation Award

Senior Business Intelligence Analyst   *Sept. 2017 – Sept.2019*
- Examined stock, sales data, developing 8+ business intelligence dashboards for an 80% improvement in operational insights, benefiting business units in Slovakia, Scandinavia, and Benelux countries
- Optimized 10+ SQL stored procedures and QlikView dashboards, achieving an impressive 30-second dashboard response time and elevating overall user satisfaction by 40%
- Assessed data for 5000 customers to predict churn rate using XGBoost algorithm, boosting accuracy to 95% and F1-score to 92% by tackling class imbalance, applying regularization, and implementing cross-validation
- Configured Bot press chatbots to manage Level 1 support customer queries for the Gyproc India transport team, resulting in a 30% reduction in calls to the support team

Technical Lead   *Sept. 2019 – Sept.2022*
- Created a new application to resolve bottlenecks in QlikView production servers, enabling the simultaneous execution of over 80 applications on the servers.
- Streamlined Qlik Nprinting job triggers by automating processes through Qlik and SQL servers, resulting in a 100% reduction in errors associated with manual efforts.
- Conducted 15 + comprehensive SQL and Qlik code reviews quarterly, ensuring adherence to standardized coding practices. This initiative led to a 20% decrease in production bugs and an overall improvement in system stability.

MAQ Software, Mumbai, India (2 years)

Software Engineer   *Sept. 2012 – Sept. 2014*
- Constructed a data warehouse with Microsoft SQL, SSAS, and the Tabular Model for immediate detection of unauthorized product purchases, leading to a 30% increase in productivity and improved accuracy.
- Accountable for executing intricate revenue recognition regulations using stored procedures written in microsoft SQL with MS-Sales data to deliver revenue to clients based on the recalculated figures

ACADEMIC PROJECTS

MNIST Digit Classification   *Sept. 2023 – Oct. 2023*
Improved MNIST digit classification accuracy by 5% via modifications to the CNN framework, employing categorical hinge loss instead of categorical cross-entropy and switching from Adam to Adamax optimizer.

Agricultural Crop Disease Classification   *Oct. 2023 – Nov. 2023*
Responsible to perform image preprocessing such as converting default Open CV BGR color to the RGB color, applying gaussian blur for remove noise, applying morphology Ex and histogram equalizing to improve image quality

Robot navigation search algorithm   *Nov. 2023 – Dec. 2023*
Utilized A* search in Wavefront Planner1, cutting start-to-goal steps by 18% through 8-connectivity, streamlining the path from 16 to 13 steps for improved workspace efficiency.

TECHNICAL SKILLS

Programming Languages: R, Python
Databases and Big Data: Microsoft SQL, MySQL, MongoDB, PostgreSQL, Hive, and Hue
Data Analysis and Visualization: Advanced Excel, Power BI, QlikView, Qlik Sense, Microsoft SSAS, and SSIS, Tableau, SQL
Data Modelling: SSAS, DAX, MDX, Others: Microsoft Office Suite (Word, PowerPoint, and Excel)