**SHAMS NAAHID**

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*“Experienced Data Scientist with 4 years in advanced analytics, machine learning, and AI, supported by 8 years as a Computer Science lecturer. Proven ability to lead data strategy, optimize algorithms, and develop data-driven insights. Strong expertise in Python, R, TensorFlow, and cloud platforms. Effective communicator and leader, adept at collaborating with cross-functional teams to drive business outcomes through data-driven decision-making.”*

**Experience**

**Data Scientist II,** Loblaw Companies Limited, Canada06/2022 – Present

Responsibilities

Leading the design and implementation of advanced machine learning models and AI solutions, driving innovation and solving complex business challenges, while mentoring and collaborating with teams to ensure data-driven decision-making and maintaining high standards of data integrity and analysis.

Achievements

* Led successful data migration projects, integrating advanced data solutions with cloud platforms (Google Cloud Platform).
* Optimized algorithms for product pricing, ensuring alignment with business needs through close collaboration with stakeholders.
* Developed data visualization tools (PowerBI dashboards) to empower non-technical teams with actionable insights for strategic decisions.
* Leveraged cross-functional collaboration and SAP expertise to resolve inventory and sales issues, enhancing pricing strategies.
* Mentored and trained team members, fostering their professional growth and ensuring project targets were met.

**Data Consultant,** KPMG, Canada10/2021 – 6/2022

Responsibilities:

Utilize data science and machine learning techniques to create innovative solutions for audit teams, leveraging tools such as Alteryx and PowerBI, along with Python and SQL for data analytics.

Achievements:

* Developed impactful PowerBI dashboards to deliver comprehensive financial analysis and planning insights for multiple clients.
* Conducted data analytics on large-scale ERP data post-ETL processing with Alteryx, transforming data into actionable advanced analytics.
* Produced user-friendly reports and documentation to enable non-technical stakeholders to leverage analytics effectively in business operations.

**Lecturer,** Ace Acumen Academy, Canada 09/2021 – 12/2021

Responsibilities

Delivered the course JavaScript for the Fall 2021 Semester asynchronously to 4 batches of students doing Diploma is Software Development.

**Graduate Student**, Toronto Metropolitan University, Canada 09/2020 – 08/2021

Achievements

* Developed a machine learning model using ensemble classifiers on the NSLKDD Intrusion Detection Dataset, achieving superior performance compared to baseline models. Evaluated and documented results using Python.
* Analysed and compared various deep reinforcement learning models applied to IDS public datasets, producing a comprehensive report on their efficacy and applications.
* Conducted in-depth analysis on a large graph dataset, utilizing Python for graph analytics and visualization to identify influential nodes using different centrality measures.
* Implemented a Singular Value Decomposition algorithm from scratch in Python, demonstrating expertise in advanced mathematical techniques and analyzing results rigorously.
* Designed and created a Tableau dashboard for analyzing Ontario’s sunshine list public data, identifying and visualizing trends across public sectors to guide strategic decision-making.
* Utilized Hadoop architecture (Hive, PySpark, HBase, MongoDB, MapReduce) for analyzing and processing large datasets, leveraging SQL foundations to build robust data solutions.

**Lecturer** (Computer Science), Colleges of Excellence, Saudi Arabia 08/2017 – 04/2019

Responsibilities

Qualified future leaders via curriculum development & delivery for Diploma in Software Development, focusing on: SQL, HTML, CSS, JavaScript, PHP to be workforce ready.

Achievements

* Invented new teaching techniques to provide a practical working experience, aiming at developing a workforce.
* Organized an event for 2000+ students from technical & non-technical batches, wherein the students brought up real hardware/software problems, and trainees could resolve issues.
* Spearheaded implementation of Spiceworks ticketing software to facilitate a hands-on experience in all 3 phases of technical support, viz. Client Service, SLA, and knowledge delivery.

**Lecturer (CS & IS)**, Prince Sattam Bin Abdul Aziz University, Saudi Arabia 09/2011 – 08/2017

Responsibilities

Spearheaded curriculum development & delivery of various courses in Data Science, Data Management, Object Oriented Programming (Java, Python, C++, C#), Enterprise Architecture, Human Computer Interaction, Web Development and Fundamentals of Information Technology for Undergraduate students.

Achievements

* Drafted a detailed report highlighting the process discrepancies & recommended reforms on both department & faculty level, boosting teaching quality & university’s position in global academia.
* Achieved ABET Accreditation for university by assisting and supporting committees in implementing quality assurance and managing projects in accordance with deadlines, budgets and expectations.
* Aided students in constructing a Diabetes Prediction system by replicating a model used in Canada, by collecting data from 500+ people via questionnaires and produced the actual model with ML using self-designed blueprints.
* Managed the Research department and created presentations for conducting workshops and dashboards for handling 40+ graduation projects from 200 students each semester, created communication channels and facilitated the final evaluation process.

**Associate Software Engineer**, Accenture, India 09/2010 – 09/2011

Responsibilities

Performed a hybrid role for a US client, by working with two teams, SAP Security & Instruction Design. Managed & administered user profiles across different SAP modules, solving production issues related to user authentication & safety.

Achievements

* Oversaw 5 major functions of project management lifecycle, viz., requirement analysis, information processing, submission of instruction reports to design teams, and supervising formulation of technical documents for users.
* Acted as a Single point-of-contact in project delivery, while serving as a liaison between client & design teams.

**Education**

**Master of Data Science & Analytics**, Toronto Metropolitan University, Canada 09/2020 – 08/2021

**Master of Computer Applications**, Osmania University, India 09/2007 – 06/2010

**Bachelor of Science** (Computer Science, Mathematics, Statistics), Osmania University 06/2002 – 05/2005

**Research Publication**

“[Analysis of KDD CUP 99 dataset using Clustering based Data mining](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=vlsKlcUAAAAJ&authuser=1&citation_for_view=vlsKlcUAAAAJ:u5HHmVD_uO8C)”, International Journal of Database Theory and Application