**DEEPANK KHURANA**

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**TECHNICAL SKILLS**

Programming Languages: Python, JavaScript, Java, C++, C#, ASP.NET, VBA, Shell scripting

Web Technologies: React JS, Angular, NodeJS, REST, HTML5, CSS, ES6, AJAX, Django

Databases: SQL, MySQL, Oracle, MQL, MongoDB, DynamoDB, PostgreSql

Tools: Tableau, PowerBI, Alteryx, Talend, JIRA, GIT, Docker, Selenium, SAP, QTP

Other Skills/Platforms: AWS, Hadoop, Ansible, Jenkins, Snowflake, Terraform, Qlik, Kubernetes

**EDUCATION**

**Northeastern University**, Boston, MA **GPA – 3.8**

Master of Science in Information Systems **January 2019-December 2020**

**Relevant Courses**: Data Science, Advance Data Science, Database Design and BI, Web Design, S/W Quality, UI/UX, Agile

**B.M. Institute of engineering and Technology,** Sonipat, India **August 2010-June 2014**

Bachelor of Technology in Computer Science

**EXPERIENCE**

**R&D Quality Assurance Intern | Dassault Systemes | Waltham** **January 2020-July 2020**

* Developed a dashboard to process live data and plot performance charts using **ReactJS, D3.js**
* Developed scripts to expand existing database by **30X** times and designed a **python** suite to **automate** the flow

**Language and Tools Used** – Python, JavaScript, ReactJs, D3.js, MQL, Oracle, Neo DB

**Teaching Assistant | Northeastern University** **September 2019-December 2020**

* Mentored and Instructed 75 students for **Web Development** course and taught Frontend web development
* Currently teaching tools like Balsamiq, Moqup, Axure RP, Selenium and Sketch for **User Experience Design** course

**Product Lead - Automation | RDV Trading Company** **| India**  **September 2017- November 2018**

* Spearheaded a team of **8 engineers** responsible for design of **test automation** architecture.
* Defined **Product** **Vision**, value proposition, roadmap and leading all activities necessary to **deliver** product to market
* Participated in **Product design reviews** to provide input on **functional requirements, design and potential problems**
* **Developed** an **algorithm** to understand customer behaviour leading to **90% success** in targeted market campaigns
* Operationalized **BI Solutions** and conducted **advanced analytics** to identify opportunities to meet business goals
* Built, published and customised interactive **reports** and **dashboards**, report scheduling using **Tableau** server

**Language and Tools Used**- Python, SQL Server, Snowflake, Tableau, AWS, JIRA, Selenium

**Application Developer | Accenture | India**  **January 2015-August 2017**

* Created **databases and schema** **objects** including **tables, indexes** and applied **constraints**
* Using **SQL** development and querying tools, developed and troubleshooted various **Data Warehouse** and **BI** issues
* Extracted, transformed and loaded data for data management using **Alteryx, SAS, Python and SQL**
* Developed complex **reports** and **dashboard** using **SSRS** and **Power BI** based on End User requirements

**Language and Tools Used**- Python, VB scripting, .NET, SQL Server, Alteryx, SAP, PowerBI, HP QTP, HP ALM

**ACADEMIC PROJECTS**

**Skin Lesion Analysis toward Melanoma Detection**

* Achieved **98% accuracy** by using **VGG16, Xception** and **DenseNet** models in **Keras** for **Ensemble Learning**

**Chat Bot Application**

* Built Chat bot application using **NLTK** and **Keras**, used **LSTM** to classify which category user message belongs to and generated responses accordingly

**Online Restaurant Food Order**

* Implemented **Spring MVC CRUD** application that allows users to order food online; added **Interceptors**, **XSS Filter**
* **Hibernate** annotations-based mapping for enhanced database interaction with **MySQL** for data storage and loading

**Data Warehouse of US Schools’**

* Integrated data from 5 **SQL** sources through **ETL** using **Talend** and developed interactive dashboards using **Tableau**

**Amazon Fine Food Reviews**

* Performed **Data wrangling** operations, applied **Logistic Regression** algorithm on data to train the model, used **NLP** to find bag of words, predict accuracy score, precision score and confusion matrix

**Employment Portal**

* Created exceptional **UX design**, determined back-end data display, designed styling and interface using **MERN** stack