**DEEPANK KHURANA**

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**TECHNICAL SKILLS**

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

Web Technologies: ReactJS, Angular, NodeJS, REST, HTML5, CSS, ES6, AJAX, XML, JSON

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

Tools: Selenium, HP QTP, JMeter, TestNG, SoapUI, Jira, GIT, PowerBI, Tableau

Other Skills/Platforms: AWS, Azure, Jenkins, ALM, Docker, SAP, ServiceNow, Talend

**EDUCATION**

**Northeastern University**, Boston, MA **GPA – 3.816**

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

**Relevant Courses**: Adv Data Science, Web Design, Data Science, Agile Methodologies, Database Design, S/W Quality, UI/UX

**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-Present**

* 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
* Developed test cases, test strategies and test plans that ensured comprehensive **Test Coverage**
* Participated in **Product design reviews** to provide input on **functional requirements, design** and **potential problems**
* Automated QA **Software Planner** used for **Test Suite organization, Test distribution, aggregation** and **reporting**

**Language and Tools Used**- Python, SQL, Oracle, Selenium, Junit, Tableau, JMeter, AWS, Adobe XD, JIRA

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

* Automated and tested over **300** SAP scripts using **SAP TAO** and over **150** web UI testing scipts using **HP QTP**
* Streamlined **Project Management** methodologies and communication which increased **efficiency** by **90**%
* Identified, documented and reported **bugs, errors, interoperability flaws** and other issues in Software Applications
* Developed complex **reports** and **dashboard** using **SSRS** and **Power BI** based on End User requirements

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

**Software Engineer | HCL | India June 2014-january 2015**

* Optimised customer resource usage by designing and implementing a **job submission** and **scheduling system**
* Executed test cases, **identified** defects, **classified** and **raised** defects, participated in **defect triages**

**ACADEMIC PROJECTS**

**Skin Lesion Analysis toward Melanoma Detection**

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

**Amazon Automation**

* **Fully Automated** amazon workflow using **Selenium Web Driver** including OTP requests for project requirement

**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**

**Employment Portal**

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

**Instagram Automation**

* Designed Scripts to **automate** processes on **Instagram** for page growth using Instagram API