

SHIVAM SRIVASTAVA

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EDUCATION

The University of Texas at Dallas, Dallas

Master of Science in Information Technology and Management

📅 **December 2020**

Kalinga Institute of Industrial Technology, Bhubaneswar

Bachelor of Engineering in Computer Science

📅 **July 2009 - May 2013**

PROFILE SUMMARY

- Experienced and accomplished developer with over 5 years of international IT industry experience in object-oriented programming, design and development of Multi-Tier distributed, large scale web-based Enterprise applications using Java and J2EE technologies.
- Skilled in **Java, Python3, JavaScript, HTML, Typescript**, the widely used software languages.
- Experienced with automation framework like **Protractor for Angular (JS)** applications using Typescript/NodeJS.
- Hands on experience in using IDE tools like **Eclipse, NetBeans, and IntelliJ** Idea. Proficient in MVC Framework architecture for building web applications with Spring MVC, Spring Web Flow, Java Servlets, JSP and JSTL.
- Experience in database modeling and development using **SQL and PL/SQL** in Oracle, MySQL and SQL Server environments.
- Worked on all phases of software development life cycle SDLC including requirements, analysis, applications design, and development and testing of various web applications.
- Experienced in Agile SCRUM, RUP (Rational Unified Process) and TDD (Test Driven Development) software development methodologies.
- Hands on experience in working with analytical tools like R, Tableau, and projects on ML frameworks like Pandas, Keras, TensorFlow.

PROGRAMMING SKILLS

- **Languages:** Python, Java, R, JavaScript, SQL, NoSQL, Scala, HTML/DOM, CSS, Typescript (Protractor), COBOL
- **Technologies/Frameworks:** JSF, J2EE, NodeJS, Protractor, Angular, REST API Micro-services, Amazon EC2, S3, JIRA, SVN, AWS Cloud Computing Services
- **Bigdata:** Spark, Kafka, Hadoop, Map Reduce, Hive, Pig, Scoop
- **Certifications:** Bloomberg Market Concepts, Refinitiv DataStream, Thomson Reuters EIKON, Green Belt (TCS)

EXPERIENCE

Software Developer – Intern

📅 Jan 2020 – Nov 2020

Blu Age Corporation

Piano, TX

- Reduced manual testing time for a complex mortgage web-based application from 108 man-hours to 8.5 man-hours by automating regression test suites of test cases of the **Angular application** using **Protractor** scripts on Jasmine framework. Automation led to 92% efficiency gain and significantly reduced the time to market.
- Migrated the working code base from Cobol to Angular framework for an Insurance Application resulting in 30% faster webpage performance, better UI and lower maintenance needs. This led directly to measurable productivity gain for Business users and of the application.

Amdocs Limited

Gurgaon, India

- Designed, developed, and customized software code base of Mid-Market application of Comcast. This led to more efficient work-order orchestration and clearer representation of work-request state. Hence, increased productivity of the application which handle the requests and impacts almost 12.5 million users worldwide.
- Worked in Operation Support Systems (OSS) and Implemented RESTful services to produce JSON payload and XML web services in the application. This led to lesser request-transaction time and faster order completions up to 40 percent for more than 30 carriers (cables etc.).

Software Developer: Data

📅 Mar 2014 – Apr 2017

Tata Consultancy Services, Client: Walgreens

Noida, India

- Involved in Core Java coding by using **Java APIs such as Collections, Multithreading, Exception Handling, Generics, Enumeration, and Java I/O** to fulfill the implementation of business logic.
- **Log 4J** was used to monitor the error logs and **used GIT** as version control tool.
- **Used Spring MVC framework with JDBC to develop the entire business logic of the system.**
- Worked with Sqoop to ingest & retrieve 1M+ records of data from various RDBMS like Oracle DB & MySQL to HDFS. This provided the platform to analyze the product inventory and sales, which helped tremendously in extrapolating the potential future sale growth.

Tata Consultancy Services, Client: Global Recruitment System (GRS)

- Designed a module for making the recruitment process of TCS, paperless which is used across 42 geographies worldwide. This led to lesser human error and intervention, no misplacement/mishandling/loss of documents, hence faster and significantly efficient system. This project saved TCS \$1.2 million for 2014 Financial Year.
- Used LinkedIn and Monster SOAP APIs to enable the recruiters share the same job posted in GRS portal to the mentioned employment service websites.
- Developed the web application using **Servlets, JSP, and JSTL**.
- **MAVEN**ized projects to handle internal dependencies in J2EE applications.
- Designed and developed front view components **using JSP and HTML**.

PROJECTS/PUBLICATIONS:

- **Built an Artificial Neural Network from scratch** to recognize the hand-written digit.
- **Movie Search Engine on Databricks:** Established a 3 node **Spark cluster** on Databricks, imported Movies and Movies Index data. Performed data manipulation and cleaning using spark data frames and implemented TF-IDF using NLP library *johnsnow labs*. From user search query and TF-IDF, recommended 10 movies to users. Based on user search query and TF-IDF, recommended 10 movies to users.
- **Window-based Stream Data Analytics with SPARK and Kafka.**
- Developed an **interactive web app** using the *Chicago Crime 2018* dataset using **Shiny apps in R**.
- **Predicting faulty packaged consumer goods (Python and SQL):** Implemented Linear regression, Lasso Regression and Decision tree algorithms to analyze and predict faulty consumer packaged goods up to 80% accuracy.
- **Published a paper “Disease Diagnosis System” (SSN 2348-0521), March 2014:** Android app for the patient history recording.

TEACHING/LEADERSHIP EXPERIENCE:

- **Research Assistant**, The University of Texas at Dallas: Provide **research support** by data collection, preparing data set and running comparative analyses on financial research papers using R, Python (Keras, Pandas).
- **Music Officer**, Indian Students Association, UTD: **led a team of 30**, curated and performed at various events.