Tushar Kumar

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University of Texas at Dallas, Texas
Master of Science in Information Science, GPA: 3.70/4.0   *May'20*
Course Work: Object Oriented Programming, Advanced Algorithms, Data Management, Machine Learning, Data Warehousing, Data Structures
Visvesvaraya Technological University, India
Bachelor of Engineering in Electronics and Communications, GPA: 3.60/4.0   *June'14*

TECHNICAL SKILLS

Technologies: Python, Java, R, JavaScript, TypeScript, REST, BootStrap 4, React JS, HTML5, CSS, Django, C++, Unix
Databases: MongoDB, MySQL, SQLite, Oracle, PostgreSQL
Software Tools: Postman, Hadoop, Spark, Git, Jenkins, Power BI, Informatica, Visual Studio Code, Spyder, R Studio

WORK EXPERIENCE

BSA Intern   *May'19-Nov'19*
Wellmark Blue Cross Blue Shield, Des Moines, Iowa
- Developed, designed and built a web application for teams and employees performance using Django and MySQL.
- Assisted ERP systems users with data conversion, data validation, and development of test/UAT scripts.
- Prepared business user specifications for Central Repository project and worked with teams on technical specifications.

SOFTWARE ENGINEER   *Oct'14-July'18*
Accenture, Bangalore, India

- Developed RESTful web services in Python and integrated with SQL database for different clients.
- Designed and implemented the automation scripts in Python to aid manual and UAT test team.
- Automated daily build deployments and reduced process time 3-4 hours per build to 40-50 minutes.
- Defined REST API's to automate project reporting and creation of new user profiles (reduced process time by 75%).

GRADUATE ACADEMIC PROJECTS

E-Commerce Web Application – ReactJS, HTML5, CSS3, JavaScript   *Aug'18*
- Devised and developed a simple E-commerce web application for purchasing mobile phones.
- Implemented dynamic retrieval of data based on user search using ReactJS.
- Utilized windows local storage for temporary storage of data.
- Designed an effective UI by optimizing page speed using HTML, CSS and JavaScript.

Bank data from Czech Republic – R Studio   *Jan'19*
- Performed data mining of customer details to understand criteria for loan sanction, the reason to default, along with behavior study on segments and demography.
- Data were cleaned, reduced the dimensions and carried out cluster analysis, logistic regression and association rules to identify the issues and their solutions.

Blogging Website – Django, Python, SQLite   *Mar'19*
- Implemented a blogging website application using Django framework.
- Performed all CRUD operations where user can update/delete their posts.
- Supports multiuser blogging, commenting, profile management and other operations.
- Established a back-end connection using SQLite.

Pizza Point of Sale – Java   *Jun'19*
- Simulated a pizza restaurant employing object-oriented concepts like Encapsulation, Inheritance and Polymorphism.
- Implemented GoF design patterns namely – Decorator for adding toppings, Builder for specifying extras, Factory for creating pizzas and Template for forming pizza creation steps.

Online Hospital Management – Data Management using SQL Server Management   *Jan'20*
- Designed a database for medical personnel and patients of an Indian hospital to avoid loss of data due to manual entry and to store patient's medical history.
- Database was created using SQL queries and its performance was optimized using Indexes, joins, subqueries to store data and the database was placed on an online server to prevent the loss of data.