

# 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, Operating Systems

## 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

### System Analyst 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 and integrated with SQL database for different clients.
- Developed solution designs in collaboration with software architects that improved process efficiency by 150% and reduced costs by \$300K.
- Automated daily build deployments using Jenkins CI/CD and reduced process time of 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%).
- Supported testing on 3+ large-scale projects to refine solutions and ensure they fit the purpose and match the customer's needs. This resulted in \$1M savings for the client.

## 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 which performed all CRUD operations.
- 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 – 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.