

Tushar Kumar

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<https://github.com/tushar2805>

<https://tushar2805.github.io/portfolio/>

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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, JavaScript, REST, HTML5, CSS, Unix, AWS, Groovy

Databases: MySQL, SQLite, Oracle, SQL Server

Software Tools: Postman, Hadoop, Spark, Git, Jenkins, Power BI, Ansible, Docker, Kubernetes, Jira, Tomcat, Maven, Visual Studio, Eclipse, JDBC

WORK EXPERIENCE

Software Engineer 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 Python 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 Java following the Microservices architecture in Spring Boot.
- Integrated the application with Spring-MVC using Spring Boot, Spring Dependency Injection, and Spring Annotations.
- 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.
- 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.

Shopping Cart Web Application – Java, Spring MVC, Hibernate, Maven

Jan'19

- Developed an online shopping cart application using Spring framework. Used MySQL for backend db and designed the UI using CSS, HTML and JavaScript.
- Used Maven to build the war file and deployed it on Tomcat.

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.