

Shivani Singh

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EDUCATION

Binghamton University, State University of New York

Aug 2019 - May 2021

Master of Science, Computer Science

Interesting Courses : Design Patterns, Advanced Computer Architecture, Programming for the Web, Database System, Software Engineering and Management, Design and Analysis of Computer Algorithm

SLRICE | Mumbai University, India

Aug 2013 - Jun 2017

Bachelor of Engineering, Computer Engineering

TECHNICAL SKILLS

Languages : Java, Python, Shell Programming, C

Web Programming : HTML5, CSS3, Bootstrap, JavaScript, Express.js, React.js, JSON, XML

Databases : Oracle SQL, PL/SQL, MongoDB

Machine Learning/ Artificial Intelligence : Pandas, Numpy, Seaborn, Matplotlib, Keras

Frameworks: Node.js, Spring, Spring Boot, Hibernate, J2EE

Tools: Git, Eclipse, IntelliJ, Visual studio code, Excel, SQL Server Management Studio, Jupyter Notebook, Anaconda 3, Apache Tomcat, Apache ANT, Maven

PROFESSIONAL EXPERIENCE

Togglehead Pvt Ltd

Mumbai, India

Web Developer

Jan 2019 – Jul 2019

- Designed and developed a single page, responsive, cross platform e-commerce website using HTML5, CSS3, Bootstrap, JavaScript and React.js
- Developed an e-commerce application using Shopify for a clothing Brand to manage inventory and orders
- Worked with a team of 12 people in an agile workflow while also helping interns develop various PSD template to enhance their skill in web development

Kyzer Software Pvt Ltd

Mumbai, India

Java Developer

Jul 2017 – Dec 2018

- Contributed to the development of a high level and secure banking application Automation System for Trade Finance IDPMS and EDPMS Regulatory Solution using Java and Springboot Framework
- Automated data reconciliation and validation using java Regex which reduced the manual workload by 83.33%
- Programmed back end functionalities for managing the desired granularity of data to avoid Duplicate entries in multiple systems
- Generated daily reports of all the Inward and Outward Remittance as per the csv format provided and access allowed access to these reports by creating a SFTP site allowing SSH for secure access.

PROJECT EXPERIENCE

Image Classification Using CNN | Binghamton University, NY

Jan 2021 - May 2021

- Developed a Deep Neural Network project to apply Image Classification on CIFAR-10 dataset
- Created a dense CNN model with 6 convolutional layer and 3 down sampling layer to flatten the image pixel and get predicted value of the class.
- Trained and Tested the model to get 89.4% of accuracy rate

MERN Stack E-Commerce Cart | Binghamton University, NY

May 2020 - Aug 2020

- Developed web API's using Node.js, express.js and used MongoDB as a backend database to store the inventory details and retrieve on HTTP request
- Designed a user friendly single page web app using React JS to display the data from the backend service
- Used props for managing the state and build custom components for user interaction

Multiple Project Implementing Design Patterns | Binghamton University, NY

Jan 2020 - May 2020

- Developed a multithreaded java application which is used for Thread Pool Management. Created a service API which would manage the number of worker thread and synchronize accordingly
- Followed best java practices, design pattern principles and used socket programming to control consumer producer problem

Student Registration System | Binghamton, NY

Aug 2019 - Dec 2019

- Implemented a student registration database system while testing its performance by writing queries using SQL and PLSQL by connecting it with spring boot using JDBC connection
- Improved and optimized performance of SQL query by using techniques like indexing, implicit conversions and join ordering

LEADERSHIP QUALITIES & CERTIFICATIONS

- Coordinated College Cultural Fest "UTSAV" as Head Coordinator for two consecutive years 2016 and 2017
- Organized and Managed a Trip for 113 students to East India for 11 days in 2017