

# Shivani Sidigidda

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## Education

Master of Science (M.S.) in Computer Science, University of Central Missouri  
Bachelor of Science (B.S.) in Computer Science, Vignan's University

August 2020 – August 2021  
August 2014 – May 2018

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## Technical Skills

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| Languages | Java, Python, JavaScript ES6, PHP.                                     |
| Databases | Microsoft SQL Server, MySQL, Oracle, NoSQL.                            |
| Web       | Node.js, Typescript, Nest.js, ReactJS, Redis, HTML5, CSS3, REST, JSON. |
| Agile     | Scrum, TDD, DDD, Kanban, Jira.   |
| Tools     | Docker, Git, SVN, Source Tree, HP-ALM.                                 |

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## Work Experience

**California State University, Fresno, CA**

**January 2020 – August 2020**

Research Assistant – Data Science

- Fetched data from multiple online sources by using Scrapy library in Python, cleansed it, processed data by understanding vast data sources on web and knowing what data to scrape, parse, and store by reducing 100 hours of human work.
- Developed frameworks for automating and maintain a constant flow of data from multiple sources by working independently with little supervision to research and test innovative solutions.
- Influenced and led DevOps initiatives related to continuous integration, continuous testing, continuous release and deployment and continuous monitoring

**Tata Consultancy Services, Bengaluru, India**

**June 2018 – April 2019**

Software Engineer – Java

- Received appreciation from the client for delivering the requirements without bugs by ensuring high application quality and performance of the software and following engineering best practices.
- Implemented a 'Log Analyzer' tool using Java that analyses logs, provide comprehensive analytics of several events and process runtimes from several clusters saving 20 hrs/week of time spent on debugging.
- Debugged issues, tested, documented the software based on the customer requirements, solved fault-tolerance and high availability issues that improved the efficiency of the software to 77%.

**Issquared Inc., Hyderabad, India**

**May 2017 – May 2018**

Full Stack Developer Intern

- Devised analytical data visualization platform leveraging JavaScript, ReactJS suite and remodeled traditional web application that enhanced user engagement by 100x.
  - Created unit tests, reviewed test cases, supported quality assurance efforts, and provided comprehensive software release documentation and training to support staff after compiling QA test outcomes.
  - Visualized and translated business needs into technological solutions by delivering on multiple competing priorities with little supervision within a defined Agile SDLC.
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## Project Work

**Restaurant Management System – Team Project (4 members)**

- Created a full stack web application with reusable components and constructed services for SPA which used HTTP service calls to bind the data in the table. Designed the basic framework based on MVC architecture and implemented more than 15 back-end functionalities in Java.

**HackerNews Clone – Individual Project**

- Developed a complete social news web application like HackerNews from the creation of UX prototypes from ideas, mockups from wire frames until the functional code implementation with React and Firebase that allows users to login, share links, add comments to a link thread above and vote on links.

**Image Classification using Fashion MNIST – Team Project (4 members)**

- Developed a system to train a simple Convolutional Neural Network (CNN) with Keras and other classification algorithms like SVM, Random Forest, Logistic Regression, XGBoost, Naïve Bayes on the Fashion MNIST dataset to classify fashion images and categories.

**Online Banking Management System – Team Project (4 members)**

- Built an efficient banking web application using with responsive layouts HTML, CSS, JavaScript, React for UI, JSP, Servlets for functionality and MySQL for database where customers can transfer/withdraw/deposit money on multiple accounts by following browser best practices and event handling.