

Jigeesha Jain

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LinkedIn: [linkedin.com/JigeeshaJain/](https://www.linkedin.com/JigeeshaJain/) | GitHub: github.com/JigeeshaJain

Education

Binghamton University, SUNY, Watson College of Engineering and Applied Sciences

New York, USA

Master of Science, Computer Science | Cumulative GPA: 3.55/4

Expected Dec'22

Coursework: Database Management, Operating System, Data Structures and Algorithm, Cloud Computing

Cummins College of Engineering, Savitribai Phule Pune University

Pune, India

Bachelor of Science, Electronics and Telecommunication

July 2013-May 2017

Technical Skills

Languages	C++, Java, Python, SQL, NoSQL, HTML, PHP, Perl, CSS
Databases	MongoDB, NoSQL, Hadoop, MapReduce
Cloud and Tools	MS Excel, Tableau, JIRA, Kafka, Microsoft Office, Kubernetes, Docker, Git, Flask, Rest APIs, Agile/Scrum, Postman, Jenkins
Skills	Statistical Analysis, Machine Learning, Data Visualization, Database Management, Data Mining, Data Manipulation
Certifications	Programming for Everyone Python, Machine Learning, SQL, Google Analytics

Professional Work Experience

Software Developer Intern

San Jose, California

Pavilion Data Systems

May 2022-Aug 2022

- Development of UI using confluent Kafka, Apache Karapace schema registry, debugging and analyzing the storage using Glue and AWS S3 bucket
- Developing and deploying schema registry API using Postman
- Performed code and unit testing for complex scope modules and projects while diagnosing critical issues
- Documenting in the functional design document and committing code in main branch to add in product version 2.0

Software Developer

Aurangabad, India

Siemens Limited

Dec 2018-Aug 2021

- Worked on the development of Siemens Remote Management Tool - MindSpark in an agile development environment. Gained experience in CI/CD pipeline by participating in a well-planned design process, then continuing with appropriate development, debugging, and integration testing
- Reduced the time taken to certify licenses from 5 days to 24 hours by automating the approval process using SQL database.
- Led product design to revise, modularize, automate, and update old code bases to modern development standards, reducing time taken to perform disaster recovery operations by over 300%

Data Analyst

Aurangabad, India

Siemens Limited

Dec 2017-Aug 2018

- Managed three team members to make data more structured and easier to retrieve. Increased efficiency by decreasing inventory by 22% due to real-time visualization of in-stock, out of stock, and excess stock goods
- Led the team responsible for developing dashboards and performing statistical analysis using data visualization tool Tableau which in turn helped to increase the organization's revenue by 15%
- Designed and developed Total Quality Management software using Python and hosted it on Google Cloud obtaining real-time analysis using business intelligence tools and reducing customer complaints from 10% to 0.5%

Project Experience

Amazon Product Consumer Review Analysis [\[Link\]](#)

Fall 2021

- Conducted quarter-wise analysis of Amazon products based on reviews for 10 years using Python
- Ran quality Analysis based on the user-entered product in a specific year and analyzed the effect of Black Friday
- Generated popularity-based recommendations for Kindle [*NoSQL, MongoDB, Python, PyCharm, Sentiment Analysis*]
- Completed a technical report and presented it to faculty members and peers

ETL pipeline Simulation of AWS Glue, [\[Link\]](#)

Spring 2022

- Implemented and deployed production ready **ETL pipeline** from scratch using Python pandas
- Achieved real-time transformations of Deutsche Börse Trading Dataset of 1400,000 data points and updated details in AWS S3 bucket
- Ran container on Docker Hub and orchestrated pipeline on **Kubernetes** for timely updates
- Performed pipeline profiling using mprof and visualized data on Tableau dashboard [*AWS S3, Glue, Kubernetes, Docker, EC2, Airflow*]

Live Messaging Cloud Microservice, [\[Link\]](#)

Spring 2022

- Demonstrated live messaging microservice via building a two-tier live chat website and deploying it in Minikube
- Components implemented using Python Flask, JavaScript, Socket IO, and jQuery to communicate messages with the webserver.
- Processed container hosted on Docker, website deployed on cloud using Kubernetes [*Python, MongoDB, Kubernetes, YAML, Flask*]

Leadership Roles

IT Ambassador, Siemens Ltd: Mentored 300 new hires on Siemens IT techstack & enabled them to be effective workers

Aug 2018-Aug 2021

Innovation (Cummins College's Technical Fest) Event Organizer: Brainstormed, implemented, and handled budgeting for the event

Mar 2016