

# SANKEERTH TELLA

25 Callodine Ave  
Buffalo, New York  
+1-716-770-8204

[sankeerthtella.com](https://sankeerthtella.com)  
[tellasankeerth@gmail.com](mailto:tellasankeerth@gmail.com)  
[linkedin.com/in/sankeerthtella/](https://linkedin.com/in/sankeerthtella/)  
[github.com/SankeerthTella](https://github.com/SankeerthTella)

## EDUCATION

**University at Buffalo** | MS in Computer & Information Science | Buffalo, NY [Aug 19 - Present]  
**Sreenidhi Institute of Science & Technology** | B.Tech. in Computer Science | Hyderabad, India [Jul 15 - Jun 19]  
*Relevant Coursework* : Algorithms | Data Intensive Computing | Information Retrieval | Distributed Systems | Databases | Operating Systems

## TECHNICAL SKILLS

**Languages:** Java | C | Python | SQL | JavaScript | PHP  
**Web Technologies:** HTML | CSS | Bootstrap | JSP | Redux  
**Frameworks/Platforms:** React | Spring Boot | Hibernate | Node.js | Express.js | Hadoop | Apache Spark | AWS  
**Tools:** GIT | Docker | Kubernetes | Travis CI | Eclipse | IntelliJ  
**Database:** MySQL | MongoDB

## EXPERIENCE

**Data Intensive Distributed Computing Lab, UB** | *Project Assistant (Spring Boot, React)*. [Jan 20 - Jun 20]  

- Worked on web development project sponsored by IBM and NSF to build ODS ([OneDataShare](#)), fast and secure file transfer between various cloud platforms, under the guidance of Dr. Tevfik Kosar
- Implemented command line interface for executing various SFTP commands in the web interface. Developed front-end using React and back-end using Spring Boot
- Used Java Secure Channel to connect to SSH2 server. Redesigned the front-end components and solved various UI bugs

**Cognizant Technology Solutions** | *Software Developer Intern (JSP, Spring Boot, Bootstrap, MySQL)* [Jan 19 – Jun 19]  

- Worked on a Dynamic Web Service called ‘Dose Car Servicing’ which provides door to door car servicing, developed using JSP, Spring Boot, Bootstrap
- Lead a team of four and contributed majorly on building the end-to-end application. Adopted scrum framework from agile methodology for developing the project

**Path Creators Private Limited** | *Software Developer Intern (React, Python, Machine Learning)* [Feb 18 – Jul 18]  

- Developed Automated Irrigation Cloud System using various machine learning algorithms and improved performance
- Worked on developing a front-end interface for static machine learning pipeline to analyze the requirement of recharge of ground water based on input data from sensor

## ACADEMIC PROJECTS

**Information Retrieval - Twitter Search Engine (React, Python, Flask, Solr, AWS)** [Nov 19]  

- Developed a complete IR search engine system on twitter data (3,00,000 tweets) crawled using Twitter API and indexed using Solr
- Worked on entire front-end development using React, Extracting tweets and hosting in AWS

**Social Media Mining for Public Health Monitoring(#SMM4H) (Python, React, NLP, Tableau, AWS)** [Apr 20]  

- Extracted adverse drug reaction mentions in the tweets by building pipeline using fastText, Named Entity Recognition
- Developed end-to-end website of project using React and performed data visualization using Tableau

**Distributed Messenger Application (Java Socket Programming, Android Processes and Threads)** [Aug 20]  

- Incorporated unicast, broadcast, multicast messaging features by implementing asynchronous thread pool and serial executors, that handled with client socket operations. Created a backup using the content provider interface in android

**Big Data Processing with Hadoop and Spark (Python, Hadoop, Apache Spark)** [Mar 20]  

- Various Text processing tasks like N-grams, Inverted Index, Relational Join, Word Count algorithm were implemented from scratch using Hadoop MapReduce algorithm
- Implemented an end-to-end predictive analytics pipeline using Apache Spark to predict the genre of the movie

**Social Networking Site - SNIST-HUB (PHP, HTML, CSS, Ajax, MySQL)** [Sep 18]  

- Developed social networking platform which brings education, activities under single roof by connecting students and professors
- Designed a dedicated wall for each student to view his posts, likes, comments and also implemented person to person messaging service and also maintained alumni portal

## PERSONAL PROJECTS

**Multi K8S (React, Node.js, Docker, Kubernetes, Travis CI, GCP)** [Aug 20]  

- Developed simple recursive Fibonacci calculator with UI, server as different containers and used Redis, PostgreSQL images
- Deployed this multi-container app into GCP Kubernetes engine using Travis CI and handled traffic using Ingress-Nginx, Helm

**Streamy (React, Redux, Node.js, OBS)** [Jun 20]  

- Developed a streaming service where a user can stream through OBS and can perform CRUD operations on the stream
- Designed single-core Real Time Messaging Protocol server and API to broadcast a stream, fetch all live streams

## REWARDS & RECOGNITION

- Certified in Agile Methodology by Cognizant Technological Solutions
- Merit in Android development workshop conducted by Brain O vision, Hyderabad. [5 - 8 Jan, 2017]