

EDUCATION

- **University of Illinois Chicago** Chicago, USA
Masters in Computer Science Aug. 2021 – May 2023
- **Dhirubhai Ambani Institute of Information and Communication Technology** India
Bachelor of Technology in ICT Aug. 2014 – Apr. 2018

SKILLS

- **Key Skills:** Distributed systems, Big data, Code optimization, Data visualization, iOS app and web development
- **Languages:** Java, Python, Scala, Golang, Bash, Javascript
- **Tools and Frameworks:** Spark, REST API, Spring, Hadoop, Tableau, Apache NiFi
- **Database and CI/CD:** MongoDB, HDFS, Hive, Impala, Jenkins, Ansible, MySQL, Git

EXPERIENCE

- **Barclays** Whippany, NJ
Software Engineer-Big Data Jun 2023 - present
 - **Data processing(ETL):** Developed spark jobs to parse and perform transformations on raw financial data and store it in HDFS. Scripts to export, cleanup & restore datasets reducing storage by 10%.
 - **Data Ingestion:** Testing data ingestion via Apache Nifi and verifying via querying Hive & Impala.
- **Apple** Cupertino, CA
Software Engineer Intern May 2022 - Aug 2022
 - **Dashboards:** Developed Tableau dashboard to visualize the health of the GPU compiler's open issues, distribution of work vs head count, Jenkins build fail times and developed Python script to populate the data from Jenkins to the dashboard.
 - **Analysis:** Developed Python scripts and Jenkins pipeline to generate performance reports to compare GPU compiler's performance before and after pull request changes in the code base for different work flows.
- **Comviva** Bangalore, India
Software Engineer Sep 2018 - Jan 2021
 - **Uno:** Developed customized access according to roles, customizable subscriber plans, using Java, Struts framework to limit client access.**Debug:** Debugging field issues and update builds as per business requirements. Struts upgrade, rebranding changes. **Optimization:** Optimized code by fixing bugs, eliminating redundant code to improve code quality and security, which improved SonarQube reliability rating from D to B.
 - **Cos360(Visualisation):** CDR formatting via Perl scripts to populate db. Graph plotting and report generation with interactive views and drill downs for network traffic and SMS firewall statistics via nodeJS framework to monitor traffic stats and identify busy periods
 - **Deployment:** Ansible scripting for automating generation and deployment of latest builds. Generated system config audit tool UI for comparing system's current state with the fine tuned performance via Python and Ansible.
- **KiViHealth** Gurgaon, India
iOS App Developer Intern Jan 2018 - Jul 2018
 - **KiviHealth:** Added feature to maintain health records, book appointments with doctors and display appointment history. Integrated Apple HealthKit and added social login into app. Added handwriting recognition and speech to text conversion features. Released on App store.

PROJECTS

- **Raft:** Implemented leader election, log management and snapshotting following the Raft consensus algorithm.
- **Mapreduce in Golang:** Implemented a coordinator node and several parallel worker nodes environment in Golang for word count program. Dealt with race conditions via locking.
- **Covid Data Analysis:** Developed dashboards in Tableau by analysing cases and deaths using WHO Region wise Covid data and compared trends in countries like India, China and USA.