

EDUCATION

Master of Science in Data Science

Stony Brook University(SUNY), New York

August 2024 – May 2026

Bachelor of Technology in Computer Science

Chitkara Institute of Science and Technology, India

July 2015 – May 2019

GPA: 8.97/10.00

EXPERIENCE

AI Software Engineer Intern

Voltiihost LLC

May 2025 – August 2025

Florida, United States

- Spearheading the development of a **Sales Analytical Tool (MVP)** for Get Up and Go Kayaking, enabling data-driven business insights from real-time weather and booking data.
- Designed a React + TypeScript frontend and deployed secure backend APIs using **Python, Supabase, and PostgreSQL** to serve filtered booking and weather data to the frontend.
- Integrated **OpenWeather API** to collect real-time weather metrics and correlate them with booking trends for predictive insights.
- Implemented visual dashboards using **D3.js-style** charts and deployed scalable infrastructure via **Cloudflare** and **Vercel**.
- Applied EDA and ML techniques, including **time-series forecasting** and customer segmentation, to support predictive analytics and strategic decisions.

Senior Software Engineer

Infosys Ltd.

August 2019 – July 2024

Pune, India

- Installed Finacle Core Banking on **OpenShift** and AWS clusters, establishing and managing environments for **20+** applications, with 5 installations annually to address new functional business requirements and updates
- Built and deployed JFrog and **ECR images** in **Kubernetes** namespaces and AWS, automating patch deployments and managing deliverables, resulting in a **50%** reduction in deployment time and a **30%** increase in deployment accuracy
- Deployed and managed Dockerized applications on **AWS EKS**, using Kubernetes, Docker, Ansible, and GitLab to create **15+ CI/CD** pipelines, achieving a 40% reduction in infrastructure costs through optimized resource allocation and scalability
- Led a DevOps team of **3** in managing end-to-end development and operations for projects in **SEPA** and **APAC** region, overseeing CIT, E2E, and production environments for **50+** integrations, driving **\$3M** in annual revenue for client (BOFA)
- Hosted and managed **Escrow** deposit deployments for Finacle applications across **3+** versions with NCC Group in the UK region for **Bank of America** as a third-party client
- Maintained **OLAP data** and production environment reliability for Finacle **e-banking** by replicating and creating **50+** databases across multiple accounts to support application structure changes in the APAC region
- Managed and optimized 10+ cloud servers by configuring **crontab jobs**, archiving logs, ensuring efficient disk management, and using **Jenkins** CI/CD pipelines for source code deployment, backups, and memory alerts
- Generated **20+** detailed reports with iReport, optimizing backend processes through complex SQL and **PL/SQL** queries
- Enhanced Finacle's functionality for an investment banking firm by customizing **100+ web pages** and menus using **JavaScript** and JSPs

PROJECTS

NYC Crime Report Analysis in R | R , Statistics, Machine Learning Algorithms, Exploratory Data Analysis, Data Visualization

- Led borough-level crime pattern prediction in NYC using R, implementing advanced machine learning models (**Random Forest, SVM, Decision Trees**) with Random Forest achieving 97.24% test accuracy.

Sparkify : Music App Churn Prediction | Python, PySpark, Scikit-learn, Apache Kafka

- Developed a data streaming pipeline from **Kafka cluster** and Hadoop Distributed File System (HDFS) as a data store
- Predicted customer churn with an **F1 score of 0.8996** for the fictional music streaming service using **PySpark**

Fitness Center Database Management System | Python, MySQL, Streamlit

- Designed and implemented database system for a fitness center, incorporating over 10 entities and relationships with 45+ tuples using EER diagrams by applying agile methodologies throughout the development phase with targeted business queries for data insights.
- Developed a front end application using **streamlit** to query fitness center's data based on user inputs

SKILLS

- **Programming Languages:** Python,R, C++,Shell Scripting, Bash , SQL/PL-SQL, Linux, UNIX
- **Data Science & Machine Learning:** Pandas, NumPy, Exploratory Data Analysis (EDA), Statistical Learning, Statistical Computing, Probability, Scikit-Learn, Pytorch, Tablaeu
- **Cloud & DevOps:** Kubernetes, Docker (containerization), Git, Ansible, AWS (cloud computing), Openshift , Jenkins, Gitlab, Tortoise SVN, JIRA, WinSCP, RabbitMQ
- **Databases:** Relational DBMS, Excel, Oracle 11g/12c/19c, MySQL , Data Warehousing
- **Awards:** Insta Award (Infosys) , Constant Contributor Badge (Infosys)