

EDUCATION

State University of New York, Buffalo  
2024 - 2026

Vellore Institute of Technology, Chennai  
2016 - 2020  
CGPA - 8.67 / 10

TECHNICAL SKILLS

Programming Languages

C++, Javascript, Python, Typescript, SQL, C

Libraries and Technologies And Tools

Data Structures and Algorithms, Nodejs, ReactJs, Redux, Material UI, MongoDB, AWS, Firebase, Figma, Github, Keras, TensorFlow, Scikit-Learn

EXPERIENCE

Results-oriented professional with over 4 years of experience in software engineering, solution architecture, and backend development. Specializing in microservices-based event-driven architectures. Proven ability to deliver successful projects within tight deadlines. Committed to staying current with industry trends and continuously improving skills.

Applied Bell Curve (Fulltime)  
Software Developer Engineer-2

Bangalore  
Jan 2024 - now

- Led the development of Applied Bell Curve's Flagship Dashboard using **React.js and Material UI**, providing personalized User experiences.
- Implemented Secure User Authentication using **AWS Cognito** and optimized user navigation with **AWS Route 53**.
- Utilized **Flask for backend development** across all aspects of the application, including Updating User details in DynamoDB, Fetching User details, and Handling user authentication during registration and login.
- Hosted the Frontend on **AWS Amplify and Backend on AWS Elastic Beanstalk**, leveraging Load balancers for Optimal Performance and Scalability.
- Designed infrastructure** to take live tests capable of handling **5000+ concurrent users** with analytics and ranking.
- Worked as an infrastructure consultant for the backend team. Helped migrate the current backend infrastructure from **AWS EC2 to Elastic Beanstalk reducing cloud cost by 50%**.
- Contributed significantly to the implementation of **unit tests**, ensuring comprehensive code coverage and fostering a culture of quality assurance.
- Extensively Worked on **React** Components with microUIs. Worked on Pipelines for deployment of **React** web applications.
- Played a pivotal role in analyzing and **documenting** the current infrastructure, offering valuable insights to enhance overall efficiency and performance.
- Developed a **comprehensive forecasting model** to **predict cotton prices** utilizing multiple machine learning algorithms including **XGBoost, Adaptive Boost, ARIMA, SARIMAX, and LSTM**. Conducted comparative analysis and determined that the LSTM model achieved superior accuracy, **closely mirroring actual price trends and outperforming** other models in predictive performance.

Wipro Technology (Fulltime)  
Senior Project Engineer

Bangalore  
Aug 2020 - Jan 2024

- Leveraged **Azure Data Factory (ADF)** to streamline the O2C (Internal Wipro Process), optimizing data integration and movement for efficient order and its processing. Implemented data integration pipelines in ADF to extract critical data from various **internal modules, microservices and several databases and orchestrated data flows** between these modules and services.
- My responsibilities included developing **ETL packages and SQL** scripts to facilitate the seamless **migration** of master and transactional data. Additionally, I played a key role in designing systems for **data reconciliation** and integrity checks, ensuring data accuracy and reliability throughout the process.
- Collaborated closely with business owners, stakeholders, and senior solution architects to gain a deep understanding of the business requirements. Utilizing cloud infrastructure and services, I successfully implemented data solutions that catered to these needs.
- Generating data pipeline - end-to-end **data integration and transformation** process, for the L2O framework. Collaborating closely with data collection teams, **automation scripts** to capture and aggregate customer data effectively. Preprocessed and cleansed the data to ensure its quality and consistency, integrating the L2O process with **Microsoft Dynamics CRM** system, facilitating seamless data flow and efficient order creation. Enabling smooth and accurate data analysis for lead qualification and improved overall operational efficiency. Developed **SQL scripts and Stored Procedure for query automation**

for the dummy order creation, this increased the volume and **accuracy of queries by 64%**. Collaborated with the finance and accounting team to ensure smooth order-to-cash(O2C) handover, improving cash flow management.

- Frontend development in **React**, managing two critical reporting applications for the European client. These applications handle stock and sales data, generating executive reports, etc. tailored for use within each country to reflect local business needs. Deliver interactive user interfaces, seamless data flow with **backend APIs**, and **real-time updates** for executives to make data-driven decisions.
- Implemented data visualization using React charting libraries to present complex information intuitively. Maintained optimal frontend performance through **testing, debugging**, and optimization techniques like **code splitting and lazy loading**. Collaborated with backend developers, provided mentorship to junior developers, and maintained the codebase to the latest features.

## **IIT Kanpur(Shiksha Sopan)** **Software Development Engineer(INTERN)**

**Remote**  
**2020**

- **Integrated API calls to fetch student details, exam questions** from the server. Collaborated with backend developers to integrate the frontend with backend API, enabling data storage and retrieval for user exam results.
- Designed and structured the application routes using React Router to efficiently handle **page rendering and URL management**.
- Created and managed user **authentication and authorization systems**, ensuring secure access to for students and administrative functions for educators.
- Developed a flexible question module supporting multiple question types (MCQs, short answer, essay).