

# Samyak Rokade

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## EDUCATION

### University of Texas at Dallas

*Master of Science, Computer Science (Data Science)*

**Aug 2022 - May 2024**

*Richardson, TX*

- **GPA:** 3.95/4
- **Coursework:** Object-oriented analysis and design, Big Data Management and Analysis, Machine Learning

### University of Mumbai

*Bachelor of Engineering, Electronics and Telecommunications*

**Aug 2018 - May 2022**

*Maharashtra, India*

- **GPA:** 9.25/10
- **Coursework:** Structured Programming Approach, OOP using Java, Data Compression and Encryption, Digital VLSI Design

## TECHNICAL SKILLS

- **Languages:** Python, C, C#, C++, Java, JavaScript, HTML, CSS, R, TypeScript
- **Tools & Frameworks:** Nodejs, .NET, Spring Framework, Git, Hadoop, GCP, AWS, Kafka, AJAX, Integration Builder
- **Libraries:** React.js, Express.js, jQuery, Spark
- **Database Technologies:** MySQL, MongoDB, PostgreSQL

## PROFESSIONAL EXPERIENCE

### Nidaan Systems, Inc

*Software Engineer*

**May 2024 - Present**

*Richardson, TX*

Technology Stack: C#, .NET Core, Groovy, JavaScript, TypeScript, React.js, MySQL, Boomi

- Developed and maintained backend architecture for an In-house application called AP Assistant using C# and .NET Core/Framework, creating over 10 reusable services and 25+ API endpoints, which reduced development time for new features by 20%.
- Engineered a scalable web app using React.js, TypeScript, and .NET Core to migrate 15+ business modules from AP Assistant, enhancing performance by 35% and reducing errors by 50%.
- Integrated RESTful APIs and OData protocols to improve data accessibility, enabling seamless communication across three internal systems and reducing query response time by 30%.
- Collaborated with cross-functional teams of 4-6 members to refine backend logic, contributing to a 15% improvement in application performance and ensuring successful bi-weekly feature releases.

### Nidaan Systems, Inc

*Software Engineer Intern*

**Sep 2023 - May 2024**

*Richardson, TX*

Technology Stack: Boomi, Groovy, JavaScript, MySQL

- Authored and optimized ETL pipelines, using REST APIs and SQL queries to extract, transform, and streamline data from databases, implementing synchronous and scheduled processes to improve operational efficiency and reduce data processing time by 30%.
- Built and deployed over 100 integration processes using Dell Boomi and Intapp, addressing complex client data needs through reliable transformation logic and scalable workflows.
- Engaged in full-cycle solution design by collaborating across technical teams, enhancing system capabilities and delivering intuitive user-facing forms, leading to a 25% increase in client satisfaction.
- Worked on the integration of enterprise platforms such as 3E and Intapp, contributing to the successful migration of their on-premises systems to cloud-based infrastructure, which improved system availability and reduced operational overhead by 35%.

## ACADEMIC PROJECTS

### Stocks and Trend Forecasting | <https://github.com/Pranav1107/HackUTD>

**Nov 2023 - Nov 2023**

*Richardson, TX*

- Conceptualized a system for data preparation and processing, integrating stock market data with company sentiment analysis based on timestamps, resulting in a 45% increase in predictive accuracy for investment strategies.
- Integrated an LSTM model for precise stock price forecasting and leveraged Google's News API for real-time credible articles, enhancing predictive accuracy by 40% and ensuring data robustness.

### GoFlaminGo Search Engine | <https://github.com/vedantsap/goflamingo>

**May 2023 - Aug 2023**

*Richardson, TX*

- Constructed a high-performance search engine on Microsoft Azure utilizing React.js, Spring Boot, MongoDB, Java, and JavaScript. This engine facilitates seamless user interactions and adheres to the Software Development Life Cycle (SDLC) methodology.
- Leveraged UML methodologies to design and architect the search engine, ensuring efficient information retrieval and optimal user experience by using various design patterns namely, builder, adapter, façade, and observer.