

Nitish Satish Kadu

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Education

Stony Brook University, New York

Aug 2024 - May 2026

Master of Science in Computer Science

Relevant Coursework: Analysis of Algorithm, Data Science Fundamentals, Distributed Systems

University of Mumbai, Mumbai, India

Jul 2018 - May 2022

Bachelor of Engineering in Computer Engineering

Relevant Coursework: Computer Networks, Operating Systems, Computer Architecture, Machine Learning, Big Data

Experience

Software Developer

Jio Platforms Ltd., Mumbai, India

Jun 2022 - Jun 2024

- Built and led design, development, and maintenance of scalable and high-performance products E2E from identifying system requirements to software implementation, testing, and configuring metrics, alarms, monitors, and dashboards.
- Optimized performance by analyzing and optimizing SQL queries, implemented advanced indexing strategies, resulting in a 35% reduction in query execution time and enhanced reporting capabilities with dynamic dashboards.
- Streamlined processes by engineering and maintaining sophisticated SQL and PL/SQL scripts, automating critical business processes with robust exception handling, ensuring exceptional data integrity and system reliability.
- Revitalized UI/UX by refactoring a legacy codebase and developing Angular UI components with STRAPI CLI and accessibility features, improving user experience by 30% and earning PinkVerify certification.
- Enhanced scalability by developing and deploying scalable Node.js applications, leveraging asynchronous programming and efficient API design, achieving a 50% reduction in server response time and significantly boosting application scalability.

Development Intern

Luna PR, Remote

May 2020 - Jun 2021

- Revolutionized web performance by designing and developing responsive web applications with React.js and Next.js, migrating legacy systems to modern frameworks, cutting page load times by 50% and reducing maintenance costs.
- Innovated pricing solutions by creating a dynamic client pricing module using React.js and Firebase, optimizing state management with Redux and Next.js, which enhanced client retention and operational efficiency.
- Enhanced application security by implementing robust security features in React.js applications, such as secure authentication and authorization mechanisms, mitigating vulnerabilities and ensuring compliance with data regulations.

Projects

Crash, Fault-Tolerant Transaction System using a Paxos Variant

Technologies: GoLang, Paxos, TinyDB, Distributed Systems

- Built a fault-tolerant transaction system using a multi-Paxos variant with TinyDB, enabling consistent transaction queuing, retrying failed transactions, and ensuring completion across distributed servers through consensus.

Email Insights

Technologies: Flask, Keras, Scikit-learn, Heroku, JavaScript

- Engineered a full-stack web extension using TF-IDF and NLP techniques to highlight key phrases in emails, deployed on a multi-node Flask server with high accuracy and scalability on Heroku.

Skills

- **Languages:** JavaScript, TypeScript, C/C++
- **Database:** MongoDB, Oracle, DynamoDB, Amazon RDS
- **Backend:** Node.js, REST API, Spring, Spring Boot, GraphQL
- **Frontend:** Flutter, React, Angular, Next.js, HTML5, CSS3
- **Tools/OS:** Azure DevOps, Git, Postman, Linux, Unix, Bootstrap, TailwindCSS