

# Nimmikrishna Babu

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## EXPERIENCE

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### Full Stack Developer, Stevens Institute of Technology, Jan 2023 - Dec 2023 :

- Developed full-stack system offering intuitive access to comprehensive insights for users to capture and visually interact with SERC ecosystem data for informed decision-making.
- 60% increase in user engagement with improved interface and visual aesthetics by designing REST APIs with Node.js/Express.js for the backend, HTML/CSS for the front end
- Improved insights by providing hierarchical and interactive visualization of data using D3.js.

### Solution Engineer, Nokia Networks and Solutions, Jun 2018 - Nov 2021:

- 40% increase in the deployment process by automating using HOT and YAML-based Ansible scripts
- 60% increase in test coverage and optimized CI/CD pipelines by automating tests using Selenium Webdriver and Cucumber's feature files to document tests.
- Decrease in network downtime by analyzing DNS, UDP, TCP/IP, HTTP/HTTPS packets
- 60% reduction in manual effort by developing Python scripts for automated cleaning and formatting data.
- 60% lowering of MTTR by health checks and scheduling tasks with bash script cron jobs
- Achieved 99.9% network uptime by IP, capacity, and geo-redundant planning resulting in 99.9% uptime.

## PROJECTS

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- **GiftVista AI - Typescript, React, Next.js, MongoDB, Langchain, Rasa:**  
AI-powered experience gift assistant to provide personalized experience-based gifting recommendations. Uses Typescript + React for frontend, Next.js for backend, MongoDB for user data and Langchain + Rasa for AI powered chatbot.
- **AI Customer Support - Next.js, React.js, OpenAI:**  
A real-time AI chat interface that leverages the power of OpenAI's GPT models to provide responsive and intelligent support to users and uses Next.js as the React framework, Material-UI for creating a sleek and responsive user interface.
- **Pantry Tracker - Next.js, React/Material-UI, Firestore, Vercel:**  
A real-time web application that's both scalable and user-friendly, enabling users to add items to their inventory, monitor quantities, and remove items when they're sold or used. Uses Firestore as the backend database and hosted on Vercel.
- **Gym Management System - Node.js, Express, MongoDB, HTML, CSS:**  
A state-of-the-art gym website prioritizing seamless user experience and enhancing operational efficiency, providing a one-stop solution for managing the day-to-day gym activities for management and customers equally.
- **TickUrTasks application - Node.js, Express, PostgreSQL, React, Redux:**  
Seamless user experience in adding/deleting tasks and marking tasks complete for comprehensive task management USING node.js + Express for backend, React/Redux for state managed frontend and PostgreSQL for db.
- **ChatBox application - Java :**  
Developed a versatile messaging application facilitating seamless interactions between users through both one-to-one and one-to-many messaging capabilities. Uses Java Socket Class and Thread Class to create client-server architecture.

## SKILLS

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Python(3), Javascript(1), Java(1), Node.js, React, HTML/CSS, SQL, MongoDB, JUnit, Cucumber, Selenium, AWS, Git

## EDUCATION

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- **Stevens Institute of Technology:** Master of Science in Computer Science, 2022 – 2023
- **National Institute of Technology:** Bachelor of Engineering in Electronics and Communication, 2014 – 2018