



# Loka Nehan Reddy

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## Profile

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I am Loka Nehan Reddy, a B.Tech Computer Science student ( IoT ) at Shiv Nadar University, Chennai. I have hands-on experience in developing and managing comprehensive web applications and have a keen interest in leveraging emerging technologies to create innovative solutions. I am passionate about solving complex problems and continuously enhancing my technical skills to contribute effectively in a dynamic work environment

## Education

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<b>Shiv Nadar University, Chennai</b> B.Tech Computer Science Engineering - Internet of Things <b>CGPA: 8.0</b>	2026
<b>Narayana Junior College, Hyderabad</b> Intermediate Education <b>Grade: 96.6%</b>	2022
<b>Narayana Concept School, Hyderabad</b> Secondary Education <b>GPA: 10/10</b>	2020

## Technical Skills

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**Languages:** C++ , C, Java, MySQL, MongoDB, Flask, ReactJS, Next.js  
**Tools:** Tableau, Arduino, Raspberry Pi

## Projects

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### Doctor Appointment Booking System

- A full-stack application for booking doctor appointments with separate logins for patients, doctors, and admins. Features include an intuitive UI, doctor profiles, an admin panel, and integrated online payment functionality. Built with scalability and customization in mind.
- **Tools Used:** MongoDB, Express.js, React.js, Node.js, Stripe API, HTML, CSS, JavaScript.

### GamesHub

- Developed a web-based game hub with interactive games (Brick Breaker, Snake, Dino, Rock Paper Scissors, and Tic Tac Toe) using HTML, CSS, and JavaScript. Integrated Flask API for user authentication and created a dashboard to track high scores. Implemented seamless navigation and responsive layouts for an engaging player experience.
- **Tools Used:** Html, Css, Javascript, Flask, SQL

### IoT-Based Inventory Management System

- Developed an IoT-based inventory management system using nodemcu, integrating ultrasonic sensors which sense whether the products in the warehouse are available or not by calculating distance from sensor to products and sending email notifications using SMTP protocol to the owner about stock updates.
- **Tools Used:** Embedded C

## Certifications

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- Generative AI-Microsoft and LinkedIn
- IOT Foundations-LinkedIn
- Social Network Analysis-Nptel