

NIKHIL KUMAR NEYYALA

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SKILLS

- **Languages:** Java, C#, JavaScript
- **Frameworks:** HTML, CSS, React, Node.js, Express, ASP.NET, MVC, .NET Framework, REST APIs, Web API, DSA
- **Tools/Platforms:** MySQL, MongoDB

TRAINING

- **Board Infinity** May 2023 – Jul 2023
Summer Training Program On Dsa
 - Completed an intensive summer internship focused on mastering data structures and algorithms, including arrays, linked lists, stacks, queues, trees, graphs, and hash tables.
 - Gained expertise in sorting and searching algorithms, with a focus on analyzing time and space complexity.
 - Implemented and tested algorithms, solved coding challenges, and collaborated on efficient solutions.
 - Enhanced problem-solving skills, coding proficiency, and foundational knowledge in data structures and algorithms.

PROJECTS

- **Infinite Read Website:** Mar 2024 – May 2024
 - Created an Online eBooks website, enabling secure logins for both user and admin; increased user engagement by 40% and scheduling efficiency by 25% within the first quarter.
 - Innovated a responsive front-end with React.js, Improved with Tailwind CSS for superior styling, and streamlined MongoDB operations; achieved a 35% boost in user satisfaction and a 25% decrease in data retrieval time.
 - Created a robust MongoDB database system for book metadata organization, streamlining data management with automated backups; this innovation supports a user base of over 100 active users, facilitating real-time data access.**Tech:** HTML, CSS, JavaScript, React, Bootstrap, Nodejs, Express, MongoDB

- **Algorithm Visualizer:** Mar 2024 – Jun 2024
 - Developed an interactive web application to visualize various sorting and searching algorithms.
 - Created detailed visualizations for sorting algorithms that reduced explanation time by 30%, allowing instructors to cover additional topics during lessons and enhance overall course performance and student engagement.
 - Designed interactive visual tools for Binary and Linear Search algorithms, enhancing understanding of algorithmic complexity for 30+ students; feedback indicated a 90% satisfaction rate in comprehension and engagement during instructional sessions.
 - Designed a user-friendly interface that allows users to select algorithms and view step-by-step execution.
 - Added controls for adjusting speed and step-through visualizations, enhancing understanding of algorithm behavior and improving debugging skills. **Tech:** HTML, CSS, JavaScript

- **e-Commerce Website for Mobile Shop:** Jun 2024 – Aug 2023
 - Developed an eCommerce website focused on selling mobile phones & Other gadgets.
 - Product Listings: Displayed mobile phones with detailed information, including images, specifications, and prices.,
 - Shopping Cart: Implemented a shopping cart system allowing users to add, update, and remove products.,
 - Responsive Design: Ensured the website is mobile-friendly with a responsive design.**Tech:** HTML, CSS, JavaScript

- **Hospital Management System:** Oct 2023 – Dec 2023
 - Developed a Patient and Doctor Management System, including features to add, view, and manage patient and doctor records, ensuring accurate and accessible information.
 - Created an appointment scheduling system that checks doctor availability and prevents scheduling conflicts.
 - Integrated MySQL database with Java using JDBC for reliable data storage and retrieval of patient and doctor records.
 - Enhanced system reliability by implementing comprehensive error handling to manage SQL exceptions and provide user-friendly error messages.**Tech:** Java, MySQL, JDBC

CERTIFICATES

- C# for .NET Developers by Coursera Feb 2024
- Data Structures and Algorithms by Board Infinity Jul 2023
- Java Programming by Coursera May 2023

ACHIEVEMENTS

- 100 days active Badge on Leetcode and a 4-star rating on Hacker Rank Jul 2024
- One among the Dean's top 10 % of students at the University Jun 2024

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.40 Since Aug 2021
- **Sri Gurukula Vidyalayam Junior College for Sciences** Palasa, Srikakulam
Intermediate; Percentage: 93.4% Jun 2019 - Mar 2021
- **Sri Gurukula Vidyalayam School** Palasa, Srikakulam
Matriculation; Percentage: 97% Jun 2016 - Apr 2019