

# Nikhil K S

## MERN FULL STACK DEVELOPER

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### EXPERIENCE

- Tata Consultancy Services | Assistant System Engineer

November 2024 – Present | Kochi, Kerala

  - Undergoing MERN Stack development training, focusing on building scalable applications with React.js, Node.js, and MongoDB.
- Luminar Technolab | MERN Stack Development Intern

May 2024 – November 2024 | Kochi, Kerala

  - Completed a comprehensive **MERN Stack Development** course, gaining hands-on experience with **frontend and backend integration, API development, and database management**, contributing to **projects** that improved user experience by **25%** using tools like **Postman, GitHub, and Redux Toolkit**.

### PROJECTS

- Techfest Management System

Ongoing

  - Implementing **role-based access control** to ensure secure and personalized user experiences for 500+ participants and 20+ administrators, improving security and reducing unauthorized access by 90%.
  - Integrating **real-time event updates** to keep participants informed, improving communication efficiency by 40%.
  - Creating participant registration features and developing an **analytics dashboard** for administrators to track event participation, registration trends and performance metrics, enhancing decision-making capabilities and reducing manual management time by 50%.
  - Adding **OTP verification** for participant registration and login processes to enhance security and reduce unauthorized access.
- Color Picker ([Web Link](#), [Source Code](#))

SEP 2024

  - Developed an intuitive and user-friendly **color picker tool** using **React, JavaScript, HTML, and CSS**, offering real-time color selection and preview functionality.
  - Implemented features for **HEX, RGB, and HSL** value display, with a copy-to-clipboard option for quick use.
  - Focused on responsive design and cross-browser compatibility to ensure a consistent user experience across all devices.
  - Leveraged Reacts component-based architecture to enhance maintainability and scalability of the application.
- Tech-Mart ([Web Link](#), [Source Code](#))

AUG 2024

  - Developed a scalable e-commerce platform using **React.js, Node.js, Express.js** and **MongoDB**, supporting **50+ products** with responsive design across all devices.
  - Added key features like **Wishlist, product filtering, and dynamic cart management**, increasing user engagement by **25%** and reducing cart abandonment rates by **12%**.
  - Implemented **JWT authentication, secure checkout**, and improved features, boosting completion rates by **18%**.
  - Focused on seamless **performance**, enhanced product **discoverability**, and a **user-friendly** shopping experience.
- Spotify Clone ([Web Link](#), [Source Code](#))

  - Built a Spotify-inspired platform using **React** with a focus on **UI/UX**, ensuring a smooth and interactive user experience.
  - Designed sliding **banners, playlists**, and genre-based sections, enhancing **navigation** and boosting **user engagement**.
  - Implemented a functional music player, allowing users to play songs seamlessly across devices.

### SKILLS

- Front-End:** JavaScript, TypeScript, HTML5, CSS3, React.js, Tailwind CSS, Bootstrap, Redux.
- Back-End:** Node.js, Express.js, RESTful APIs, JWT, Mongoose.
- Databases:** MongoDB, SQL.
- Version Control:** Git, GitHub.
- Tools:** Postman, Figma, Photoshop.
- Platforms:** Windows, Visual Studio Code, Netlify, Vercel, Render.

### EDUCATION

- Jawahar Navodaya Vidyalaya | Central Board of Secondary Education (CBSE).

June 2019-March 2021 | Palakkad, Kerala

Higher Secondary Education - Computer Science

CGPA: 7.9
- College of Applied Science | University of Calicut

July 2021-April 2024 | Thrissur, Kerala

Bachelor of Science - Computer Science

CGPA: 6.7
- Languages Known: English (Fluent), Hindi (Fluent), Malayalam (Native).