# **Nischitha B H**

E Mail: **nischithabh44@gmail.com**

Phone: **8971071779**

Location: **Bengaluru**

## **OBJECTIVE:**

Experienced **Full Stack Developer** with 3.7 years of expertise in Front-end and Backend implementation, integration, and unit testing. Proficient in all stages of the Software Development Life Cycle (SDLC), including requirement analysis, design, coding, and testing. Skilled in building scalable web applications using the **MERN** (MongoDB, Express.js, React.js, Node.js) stack. Proven track record of delivering high-quality, ready-to-use customizable microservices. Ready to leverage my skills and experience to contribute effectively to your projects

## **SKILLS:**

* **HTML**
* **CSS**
* **Bootstrap**
* **JavaScript**
* **Axios**
* **jQuery**
* **React**
* **Node JS**
* **Express JS**
* **SQL**
* **NoSQL**
* **MongoDB**
* **AWS**
* **EC2**
* **Rest & Restful API**
* **JIRA**

## **WORK EXPERIENCE:**

* Currently working as a **MERN** **Full Stack Developer** at **Capgemini** from **May 2023 - Till Date**
* Worked as a **Software Developer** at **Genpact** from **June 2021** to **May 2023**
* Worked as a **Software Engineer** at **IBM** from **June 2020** to **June 2021**

## **PROJECTS:**

**Orange HRM**

Orange HRM is a full-stack MERN-based human resource management system. It utilizes MongoDB for data storage, Express.js for server-side logic, and Node.js for backend development. On the frontend, React.js powers dynamic and interactive user interfaces. This comprehensive solution streamlines HR processes, manages employee data efficiently, and enhances organizational productivity

**Etiqa Insurance:**

**Etiqa Insurance** is a contract between two parties, the insurer or the insurance company and the insured or the person seeking insurance, whereby the insurer agrees to hedge the risk of the insured against some specified future events or losses, in return for a regular payment from the insured as premium. Insurance policy helps in not only mitigating risks but also provides a financial cushion against adverse financial burdens suffered. Insurance policies are a safeguard against the uncertainties of life.

## **ROLES AND RESPONSIBILITY:**

* Design, develop, and maintain Full Stack development applications using **MongoDB, Express.js, ReactJS, and Node.js (MERN stack).**
* Knowledge on **Jenkins, Docker and AWS Cloud Services like EC2, Security Groups, RouteS3 and S3**
* Implemented front-end code in **HTML5** and **CSS3**.
* Using semantic **HTML** tags to provide meaning to the content structure, improving accessibility and **SEO**.
* Leveraging HTML5 APIs such as **LOCALSTORAGE**, **SESSIONSTORAGE**, and **Geolocation** for client-side storage and location-based services.
* Using **Bootstrap's** pre-styled components such as **buttons**, **forms**, **navigation** **bars**, **cards**, and **modals** to build consistent and visually appealing user interfaces.
* Experienced in **Express** middleware to handle **requests**, perform pre-processing tasks, and execute additional functionalities such as **logging**, **authentication**, or **error** **handling**.
* Defining **routes** using **Express** to map **HTTP** requests to corresponding controller functions or handlers, allowing for modular and organized request handling.
* Implementing **React** **Router** for declarative routing and navigation in single-page applications.
* Utilizing **NPM** (**Node** **Package** **Manager**) for managing project dependencies and sharing reusable code packages
* Building server-side applications and **APIs** using **NodeJS** runtime environment.
* Experience in creating **responsive** web applications that adapt and respond to various screen sizes and devices.
* Building dynamic and interactive user interfaces using **React** **libraries** for front-end development.
* Strong **problem**-**solving** abilities to tackle complex technical challenges and find effective solutions.
* Designing and developing applications using a **microservices** architecture for improved scalability, flexibility, and maintainability.
* Implementing error handling **middleware** in Express to catch and handle errors occurring during request processing, providing custom error responses and maintaining application stability
* Demonstrating clear and concise **communication** **skills** to convey ideas, collaborate with team members, and interact with stakeholders effectively.
* Utilizing Express static middleware to serve static files such as images, CSS, or client-side **JavaScript** files, improving application performance and load times
* Expert in **ES6** features such as arrow functions, de-structuring, and spread/rest operators for writing clean and concise JavaScript code.
* Designing **RESTful** **APIs** with Express by defining resource-based routes and using **HTTP** methods (**GET**, **POST**, **PUT**, **DELETE**) to perform **CRUD** operations on resources, ensuring a standardized API structure.
* Accessing and manipulating request and response objects in Express middleware and route handlers to extract data from requests, set HTTP headers, and send responses to clients.
* Implementing session management middleware like **express**-**session** to maintain user sessions and handle session data securely, enabling user authentication and personalization features.
* Integrating Express with database systems like **MongoDB**, **MySQL**, or **PostgreSQL** using database drivers or **ORM** libraries like **Mongoose** to perform data operations within route handlers.
* Chaining multiple **middleware** functions together in Express to sequentially execute middleware logic and pass control from one middleware to the next, enabling modular and reusable code.
* Validating incoming request data using middleware like express-validator to ensure data integrity, sanitize input, and prevent security vulnerabilities such as injection attacks.
* Implementing **authentication** and **authorization** middleware in Express to secure routes, restrict access to certain endpoints, and authenticate users using strategies like JWT or OAuth.
* Logging application errors and exceptions using middleware like **morgan** to record error details, stack traces, and contextual information for debugging and troubleshooting purposes.
* Configuring **CORS** **middleware** in Express to enable cross-origin requests from web browsers, allowing client-side applications to access resources hosted on different domains securely.
* Integrating **WebSocket** libraries like **Socket**.**IO** with Express to enable real-time bidirectional communication between clients and the server, facilitating interactive features like chat applications or live updates.
* Writing **reusable, testable**, and **efficient code** and implementation of **low- latency, high-availability, and performant applications**.
* Implementing **lazy loading** techniques for components or assets to reduce initial page load times and improve overall application performance.
* Proficiency in managing application state efficiently using **state** **management** libraries such as **Redux** or **Context** **API**.
* Experience in Evaluating and integrating **third-party APIs** or services and stay up to date with industry trends and emerging technologies related to APIs.
* Knowledge on **AWS** services such as **Amazon EC2, API Gateway, Amazon RDS, Amazon SQS,** and Amazon S3.
* Experience in **troubleshooting**, **debugging** and optimization issues in a timely manner
* Utilizing **Jira** for issue tracking and project management to prioritize tasks, assign work items, and track project progress in a centralized dashboard.
* Conducting regular team meetings or stand-ups to foster collaboration, share progress updates, and address any blockers or concerns promptly.

**Top of Form**

## **EDUCATION:**

* **BE** – MYSORE ROYAL INSTITUTE OF TECHNOLOGIES, VTU, KARNATAKA, INDIA
* **12TH –** MMK & SDM WOMENS COLLEGE, KARNATAKA, INDIA
* **10TH** – RIVER VALLEY SCHOOL, KARNATAKA, INDIA