



# NADEEN SHAIK (Portfolio)

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## Professional Experience

**Tata Consultancy Services** Assistant System Engineer Trainee 05/2022-06/2023

- Leveraged expertise in JavaScript technologies such as **Reactjs, Nodejs, and Expressjs** to deliver high-performance web applications.
- Implemented **debouncing** to reduce the number of API calls and improve application performance, resulting in a reduction of up to 30% in unnecessary API calls and caching to improve page load time and user experience, resulting in up to 15% faster page loads for returning users
- Implemented **code splitting** and **Lazy loading** to reduce the initial bundle size of the application, resulting in faster load times for users with slower 3G Internet connections.
- Developed highly scalable Nodejs application using **RESTful APIs, microservices** architecture, **load balancing**, distributed cache, and **CDN** to improve performance and handle high traffic volumes. and integrating them with front-end frameworks such as React including proper HTTP status codes and error handling.
- Leveraged **Node.js clusters** to maximize CPU core utilization and efficiently scale application instances, leading to a 200% increase in API request handling capacity.
- Implemented **Node.js worker threads** to parallelize CPU-intensive tasks, resulting in a 50% reduction in processing times and a 30% improvement in application responsiveness.

## Skills

- **Programming Languages:** JavaScript, C++, C
- **Frontend:** ReactJs, Redux, Bootstrap, CSS, HTML
- **Backend:** NodeJs, Express, Microservices, Restful APIs
- **Database:** MySQL, MongoDB
- **Tools:** Git, GitHub

## Education

**Kalasalingam Academy of Research and Education** 2017-2021

B.Tech in Computer Science and Engineering  
GPA: 8.24

## Projects

**Foodistan** (CODE) (DEMO)

- Web-based food ordering responsive app built using **Reactjs**, Swiggy's APIs Integration, Redux, Bootstrap
- Implemented features such as **Search(debouncing, caching)**, Landing page, **Infinite Scroll, Shimmer, Routing**, Cart
- **Search Suggestions**, Restaurant page, **Redux Store**, Sorting based on relevance, delivery time, rating, cost

**CRM-App** (CODE)

- Built a web-based CRM tool to help small businesses manage customer service using **Nodejs, Reactjs, MongoDB**
- Developed features such as **Authentication and Authorization, CRUD** operations, customer management, ticket tracking, and reporting, resulting in customer satisfaction.

**Air India-clone backend** (CODE)

- Designed and developed a web-based flight booking and management platform using **Nodejs, MongoDB, bcrypt** Restful APIs, mongoose
- Implemented features including Authentication and Authorization using **JWT, CRUD** operations, **flight search**, booking management, and boarding pass resulting in an intuitive user experience.

## Certifications

- Relevel Full stack development certification
- Hackerrank Reactjs and Nodejs certification

## Achievements

- GATE CSE 2022: Percentile: 94.2, Score: 455
- GATE CSE 2021: Percentile: 85.2, Score: 348
- **Cracked Relevel Full stack development test**
- Awarded a special prize in KARE Hackathon conducted on 2019 for **meterpreter reverse\_tcp** payload