

UTKARSH RAJ

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Education

Birla Institute of Technology Mesra

Integrated master of Mathematics and Computer Science

july 2019 – May 2024

CGPA - 7.78

Delhi Public School Sail Township dhurwa ranchi

Heigher secondary XII scince

july 2016 – May 2018

Percentage - 78

Experience

Globe Function

April 2023 – July 2023

Software Engineer Intern

Remote

- **Utilized Node.js and Mongoose to develop secure and efficient REST APIs** for the Global Functions website. Adhered to REST architecture principles and implemented **CRUD functionality** using HTTP operations.
- Applied MongoDB for data storage and demonstrated **expertise in creating and managing data** using Mongoose object data modeling (ODM) library.
- Implemented JSON web tokens (JWTs) for **secure user authentication, ensuring access tokens** are generated using a secure pattern for user management.
- Emphasized efficient data manipulation through **optimized database queries and API endpoints**, leading to improved user experience and system responsiveness.

Projects

Find Gamers | *React.js, Node.js, Mongo DB, JWT token*

[Live link](#)

- Designed and implemented a visually appealing and responsive user interface for a gaming platform using React.js, HTML, and CSS.
- Implemented **user authentication and verification mechanisms**, enhancing platform security and ensuring data privacy.
- **Collaborated with a cross-functional development team** to create a seamless user experience, facilitating easy navigation and engagement.
- Utilized Heroku for reliable deployment.

Tick | *React.js, Material UI, JavaScript (ES6+), State Management (Redux)*

[Live Link](#)

- Engineered a dynamic and responsive web application utilizing React.js, delivering an engaging user interface for seamless user interaction.
- **Implemented robust shopping cart functionality**, enabling users to add, view, and purchase a variety of products Responsive Web Design (CSS3, Flexbox, J2EE, Grid) with an intuitive and efficient user experience.
- **Developed a review system where users can share feedback** on their purchases, enhancing user engagement and RESTful API Integration providing valuable insights for product improvements.

Book Management system | *Golang, Docker, postgresSQL, swagger, sonarQube, Redis*

[Live Link](#)

- Designed a s book managment system using golang to simulate the common functions of using a book managment.
- Used Postgres SQL to create a GUI that supports actions such as creating an account, book id withdraw, list all books, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: .Net, C , C++, Html, JavaScript, Sql, Golang

Developer Tools: Tailwind Css, Material UI, swagger, postgres sql, postman, Sonar qube, Sonar scanner, Linter, Redis Caching

Technologies/Frameworks: React.js, Node.js, Linux, GitHub, Docker, Pg admin postgres

Coding profiles

- Leetcode - Solved more than **400++ problem** on the platform. [LINK](#)
- GeeksforGeeks - solved more than **300 problems** on platform [LINK](#)
- NSS Lead chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.