

POOJA MINNA

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EDUCATION

UNIVERSITY OF TEXAS AT DALLAS

Master of Science in Computer Science, GPA: 3.77/4.0

Richardson, TX

May 2024

- **Relevant Coursework:** Analysis of Algorithms, Database Systems, Big Data Analytics, Foundations of Artificial Intelligence, Applied Natural Language Processing, Machine Learning, Web Technologies

JNTUH COLLEGE OF ENGINEERING

Bachelor of Technology in Electronics and Communication, CGPA: 3.77/4.0

Hyderabad, India

Jul 2021

- Awarded First Class with Distinction

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML, CSS, SQL, C, C++, PHP, PySpark.

Databases: SQL Server, MongoDB

Tools & Technologies: AWS, Node.js, React, Redux, Spring Boot, Angular, Hibernate, AJAX, RESTful APIs, Express.js, Jenkins, Kubernetes, Git, TensorFlow, Pandas, Kafka, Distributed Computing, Hadoop, Spark, MLib, Databricks.

WORK EXPERIENCE

THE ERIK JONSSON SCHOOL OF ENGINEERING

Dallas, TX

Software Developer - SpringBoot, Spring Security, Microservices, Kafka, SQL, React.js, AWS

Aug 2023 - May 2024

- Developed Java backend solutions using Spring Boot and Hibernate to enhance API functionality, improving system performance by 30%.
- Implemented API throttling by updating an existing API integration to reduce the number of API requests.
- Developed cron jobs that sends SMS in a specific time based on user time zone and worked on integrating 3rd party BrainHQ APIs.
- Refined Java-based backend API gateway, integrating Kafka to manage high-volume message processing, reducing latency by 20%.
- Employed Jenkins and Kubernetes for continuous integration and deployment, ensuring high reliability and availability of backend services
- Collaborated on SQL database optimizations, improving data retrieval speeds and system responsiveness for financial transactions.

COGNIZANT TECHNOLOGIES

India

Software Engineer - SpringBoot, Java, SQL, React.js, Node.js, Express.js, Redux

Mar 2021 - Jul 2022

- Key contributor in a Spring Boot-driven website, rewrote controllers, POJO, and DAO classes, increasing operational speed by 15%.
- Integrated RESTful APIs with Java and Spring Boot, enhancing system interoperability with shipping providers and third-party services.
- Optimized indices and rewrote complex SQL Server queries to lower the database query time by 40%, increasing performance and scalability.
- Boosted user engagement by 50% through UI optimizations in an e-commerce web application using React, Node.js, and Express.js.
- Led the front-end redesign of an e-commerce platform, implementing React and Redux to enhance UI responsiveness and interactivity.
- Improved website loading time significantly by implementing caching mechanisms and optimizing react components for faster rendering.

COGNIZANT TECHNOLOGIES

India

Software Engineering Trainee - SpringBoot, Java, Hibernate, RESTful APIs

Dec 2020 - Mar 2021

- Engineered Java backend applications with frameworks like Spring Boot and Hibernate, enhancing code quality and application performance.
- Designed and implemented RESTful APIs using Java that facilitated efficient communication between the user interface and the server.

SMART INTERVIEWS

Hyderabad, India

Instructor and Mentor - Data Structures and Algorithms

Jan 2022 - Apr 2022

- Created Data Structures and Algorithms modules using Java and Python on LeetCode and HackerRank to boost student engagement.
- Demonstrated expertise in explaining complex concepts like LinkedLists, Trees, Graphs, Hashing, DP, recursion and many other algorithms.

PROJECTS

E-commerce Web Application – React.js, JavaScript, MongoDB, Node.js

- Developed a full-stack e-commerce platform using React.js and Node.js, integrating MongoDB to manage a dynamic inventory system.
- Implemented secure payment gateways and enhanced cart functionality to improve transaction efficiency and user checkout experience.

Travel Website – HTML, CSS, JavaScript, MySQL, PHP

- Crafted a responsive travel booking website via HTML, CSS, and JavaScript, with a MySQL database backend for scalable data management.
- Customized user interface features for flight, hotel, and rental car bookings, improving navigation and speed with PHP back-end integration.

Sorting Visualizer – JavaScript, React.js

- Constructed a sorting algorithm visualizer using React.js and JavaScript enabling users to visualize data sorting via dynamic demonstrations.
- Devised user-friendly educational tools that allow for easy exploration of sorting algorithms, elevating user engagement and comprehension.

Seeking Tutor Problem – C, Semaphores, Mutexes, Multi-threading, Multi-process Concept

- Developed a multithreaded program in C that utilizes semaphores and mutexes to address complex synchronization challenges.
- Augmented real-time response by applying advanced multithreading techniques to manage tutor-student session assignments efficiently.

Creating a Shell – C, multi-process concept

- Designed and developed a robust bash-like shell application from scratch with C.
- Implemented core functionalities including parsing, execution I/O redirection and adv functionalities like command history, pipes..