Rajesh Bammidi

✉ rbammidi@buffalo.edu   ☐ +17169073693

1400 Millersport Hwy, Williamsville, NY 14221

in linkedin.com/in/rajeshbammidi | ☐ github.com/rajeshbammidy | </> leetcode.com/rajeshbammidy

EDUCATION

UNIVERSITY AT BUFFALO
Master's in Computer Science
Aug 2022-Dec 2023 | Buffalo, NY
GPA: 3.9 / 4.0

LOVELY PROFESSIONAL UNIVERSITY
Bachelor's in Computer Science
Aug 2016-May 2020 | India, Punjab
CGPA: 9.32 / 10.0

SKILLS

PROGRAMMING
• Java • C++ • C • JavaScript • Python
• TypeScript • Kotlin

DATABASE
• MongoDB • MySql • Firebase
• PostgreSQL • TSQL • Azure

DEVELOPMENT
• MicroServices • SpringBoot • Android Development •ExpressJS •Nodejs •ReactJS • HTML-CSS • Hadoop

TOOLS
• Git • Jmeter • CI/CD • Agile • SCRUM
• Docker • Linux • JIRA

OTHER
• Algorithms • Parallel Algorithms
• Object Oriented Design • Database Design • Design Patterns

COURSEWORK

GRADUATE
Design And Analysis Of Algorithm
Distributed Systems
Modern Network Concepts
Data Models Query Lang
Algorithms for Modern Computing Systems
Parallel Algorithms
Intro to Machine Learning
Data Intensive Computing

LINKS

LeetCode:// **rajeshbammidy**
LinkedIn:// **rajeshbammidi**
YouTube:// **rajeshaatrayan**

EXPERIENCE

UNIVERSITY AT BUFFALO | Graduate Teaching Assistant
JAN 2023 – Present | New York, USA

- Working as a Teaching Assistant for the CSE 460/560 DMQL course under the guidance of Professor Sreyasee Das Bhattacharjee.

URBAN COMPANY | Software Development Engineer 1
DEC 2020 – AUG 2022 | Bengaluru, India

- Designed and implemented scalable backend services using NodeJs, ExpressJs, and MongoDB, contributing to the development of each microservice and establishing a solid foundation for revamping the entire matchmaking backend services.
- Improved API response time and optimized service provider selection by implementing capacity and matchmaking filters using Typescript, resulting in the better overall performance of the platform.
- Migrated native Android provider app screens to React Native using the in-house framework called Orion, enhancing user experience and platform compatibility.
- Worked collaboratively with cross-functional teams, including frontend developers and designers, to ensure seamless integration of backend services into the overall platform, resulting in a cohesive and efficient system.

NCR CORPORATION | Software Engineer 1
JAN 2020 - DEC 2020 | Hyderabad, India

- Developed robust web applications for financial banks, leveraging ReactJS and Spring Boot(Java) to create responsive and scalable user interfaces and backend systems.
- Led and mentored a team of interns, developing an organizational hiring platform using ReactJS and SpringBoot(Java), from ideation to deployment, resulting in a successful product that met business requirements and delivered significant value to the organization.
- Contributed to code reviews and design discussions, ensuring that the team followed best practices and created high-quality, maintainable code.

PROJECTS

PARALLELIZATION OF KMP STRING MATCHING ALGORITHM
Jan 2023 – May 2023
Designed and implemented a parallel KMP string matching algorithm under the guidance of Professor Dr. RussMiller using OpenMP and MPI frameworks. Focused on optimizing performance by improving communication between processors. Conducted experiments on large DNA datasets at the Centre for Computational Research facility in Buffalo, achieving a significant improvement in runtime. Developed skills in high-performance computing, algorithm design, and optimization

PROJECT ENIGMA Nov 2022 – Dec 2023
Designed and implemented a production-ready PostgreSQL database for the Home Services industry. Developed a user-friendly interface with advanced SQL query capabilities to efficiently manage customer, service, technician, and appointment data. Ensured scalability to accommodate growth and meet the changing needs of the business.