Ritik Raj

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Education

SRM Institute of Science and Technology	2020-2024
B.Tech in Computer Science and Engineering with specialization in Big Data Analytics	*CGPA: 9.09*
Guru Gobind Singh Public School, Bokaro - Intermediate	2017-2019
Central Board of Secondary Education(C.B.S.E)	*Percentage: 77.20*
S.K.P. Vidya Vihar, Banka - Matriculation	2012-2017
Central Board of Secondary Education(C.B.S.E)	*CGPA: 10*

Experience

Software Engineer - Unisys — January 2024 – Present

- Hands-on experience with AWS and its services EC2, S3, Lambda, RDS, ECS,VPS. Gained expertise in cloud-native principles and Infrastructure as a Code.
- Incorporated robust C# applications, implemented WCF services for secure communication, and created ASP.NET MVC web applications, resulting in a 30% increase in user satisfaction and a 15% boost in system efficiency.
- Collaborated with teams, practiced Agile methodologies, and used Git for version control, ensuring timely delivery of high-quality software solutions.

Projects

AI Code Review App Link

- Engineered a Java-based backend service for an AI Code Review App using Spring Boot, integrating GitHub OAuth for secure authentication, and leveraging the GitHub API to manage and analyze over 100 repositories, improving code quality review processes.
- Implemented AI code review functionality with ChatGPT, reducing manual code review time by 60%, and utilized Maven for build and dependency management, enhancing project scalability and maintainability

Notes Web Application Link

- Designed a secure note-taking application with Node.js, React.js, Express.js, and MongoDB. Implemented user authentication using JWT and cookies, with bcrypt.js for password hashing.
- Enabled functionalities for creating, editing, and deleting notes, accessible only to authenticated users. Utilized EJS for interactive UI rendering.
- Achieved a 15% increase in login efficiency and Enhanced operational efficiency by 25% and streamlined functionality.

Technical Skills and Interests

Programming Languages: C/C++, Java, JavaScript, HTML, CSS, SQL
Libraries/Frameworks: Node.js, Express.js, React.js, Passport.js
Tools:VS Code, Visual Studio, Git, Docker
Cloud/Databases: Amazon Web Services (AWS), MySQL, MongoDB, NoSQL, Redis
Technical Skills: DSA, OOPs, DBMS, Problem Solving, Backend Development, REST APIs
Soft Skills: Self-learning, Presentation, Decision-Making, Leadership

Achievements

AWS Cloud Practitioner Link
Skillsoft

- Achieved AWS Certified Cloud Practitioner certification, demonstrating a solid understanding of AWS cloud concepts, services, and best practices, leading to a 30% increase in efficient cloud resource utilization.
- Gained expertise in AWS services such as EC2, S3, RDS, Lambda, and VPC, enabling the design and deployment of scalable cloud solutions that improved system availability by 25%.

C++ and SQL Link
HackerRank

- Secured the Golden Badge on HackerRank by tackling a total of 68 advanced coding challenges in SQL and C++, illustrating a solid foundation in algorithms and data structures that bolstered technical capabilities.
- Developed strong C++ programming skills by solving over 100 problems, focusing on advanced object-oriented programming principles, effective problem-solving techniques, and optimizing algorithms.

REST APIs with Spring and Java Link

- Gained Expertise in Java programming, mastering object-oriented priciples, data structures, and algorithms.
- Designed, developed, and deployed RESTful APIs using Spring Framework, ensuring high performance, scalability, and security.