Ritika Kale

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EDUCATION

Master of Science in Computer Science   Aug 2024
State University of New York at Binghamton, GPA: 3.4/4.0   *Binghamton, NY*
Relevant Coursework: Design Patterns, Data Structures and Algorithm, Programming Languages, Data mining, Databases System, OS, Computer Security, Data privacy, Computer Architecture and Organization, Social Media Pipeline.

Bachelor of Engineering in Computer Engineering   July 2021
Savitribai Phule Pune University, GPA: 8.72/10.0   *Nashik, India*
Relevant Coursework: OOP, Data Structures, Computer networks, AI and ML, Software Project Management, DBMS.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, Javascript, Typescript, SQL, PHP
Frontend: React, Angular, HTML5, CSS
Backend: Node.js, .Net Framework, Spring Boot, Django
Database: MySQL, MongoDB, PostgreSQL
Cloud Infrastructure: Microsoft Azure, AWS
Technologies: Git, Linux, Unix, Docker, Kubernetes, SDLC, Agile, AI and ML

EXPERIENCE

Software Developer   Oct 2024 - Present
Sports Excitement   *United States*

- Developed and maintained responsive front-end components using HTML, CSS, JavaScript, and modern frameworks like React, Angular.
- Built and optimized scalable back-end services using Node.js, Python, improving system efficiency and performance.
- Collaborated with cross-functional teams to design, develop, and implement new features, ensuring seamless integration across the application.
- Conducted code reviews, wrote unit and integration tests, and debugged issues to enhance code quality, reliability, and maintainability.

Software Engineer   Aug 2021 - July 2022
Quant Masters Technologies Pvt Ltd   *India*

- Researched, designed, and implemented machine learning models using Decision Trees, K-Nearest Neighbors(KNN), and Logistic Regression, enhancing predictive analytics capabilities by 18%.
- Collaborated on the development of a Movie Recommendation System employing Collaborative Filtering Algorithms, improving personalized user experiences by 22%.
- Successfully implemented a Convolutional Neural Network (CNN) for image classification, achieving 85% accuracy in identifying visual patterns.
- Deployed machine learning models on AWS, utilizing services such as EC2 to ensure scalability and robustness of solutions in a cloud-based infrastructure.

Software Engineer Intern   Nov 2019 - Feb 2020
Zensar Technologies   *India*

- Completed training in Core Java and PL/SQL, emphasizing Agile methodologies and software development principles.
- Developed a Hospital Management System using Java, JSP, Servlets, and Spring Framework, showcasing full-stack development skills.
- Enhanced problem analysis and evaluation by 15% through the implementation of systems and processes used by the team.
- Participated in training sessions to improve communication, teamwork, leadership, and marketing strategies.

PROJECTS

Full stack Booking Application using MERN

- Designed and developed a comprehensive booking application utilizing the MERN stack (MongoDB, Express.js, React.js, Node.js), enhancing online booking experiences for users.
- Implemented a responsive UI with Tailwind CSS, enhancing user engagement and accessibility across devices.
- Integrated real-time notifications and secure payment gateways, ensuring seamless and reliable financial transactions while keeping users updated on their bookings.

Social Media Movie Genre Trends Analysis Project

- Analyzed movie and genre trends using data from Reddit and TMDb, applying Python, APIs, and PostgreSQL for data collection and sentiment analysis.
- Visualized insights with Flask and Bootstrap, making complex data accessible to stakeholders.

Stack Overflow Survey 2021 Data Analysis – NoSQL Project

- Analyzed Stack Overflow 2021 data using Python & MongoDB, leveraging aggregation pipelines and Pandas to uncover insights on wages, languages, and demographics.
- Demonstrated proficiency in effective database connectivity and coding practices ensuring clear insights from the Stack Overflow Survey data.