

Rishika Bhat Kuthyar

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EDUCATION

Master of Science in Information Systems

Expected Dec 2025

Northeastern University, Boston, MA

Relevant Courses: Application Engineering Development, Web Design and User Experience

Bachelor of Information Technology

June 2022

Sreenidhi Institute of Science and Technology, Hyderabad, India

Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Agile, SDLC

TECHNICAL SKILLS

Programming Languages: Java, Python, C, HTML, JavaScript, React, Node JS

Databases: MySQL, MongoDB

Software Tools: Spring Boot, Apache Kafka, Talend, Postman, Swagger, Visual Studios, NetBeans, Git

Publications: Face Detection Based Gate Pass System, in International Journal of Scientific Research in Science, Engineering, and Technology Manuscript number: IJSRSET2293164, Volume 9, Issue 3

WORK EXPERIENCE

Innova Solutions, Hyderabad, India

June 2022 - Dec 2023

Full Stack Developer (Spring Boot, RESTful APIs, Kafka, Azure, Postman, Swagger)

- Engineered a Spring Boot application with RESTful APIs, incorporating JWT authentication and role-based access, which managed 30K+ employee records, enhancing data accessibility and security
- Streamlined real-time data processing by integrating Apache Kafka, which cut latency by 15% and boosted system responsiveness and performance by 25%
- Overhauled Azure infrastructure, leveraging Azure Kubernetes Service (AKS) and Azure DevOps for streamlined deployments, and utilized Swagger and Postman for API testing and documentation, enhancing operational efficiency by 30%
- Revamped test code for improved reusability, resulting in more efficient testing processes, reduced code duplication, and increased productivity
- Led a team of 5, enhancing skills and spearheading 'Women in Tech' initiatives to foster diversity and inclusion, elevating team performance and culture

Techimax, Hyderabad, India

Jan 2020 - June 2020

Software Developer Intern (Python, AWS, Git)

- Formulated a predictive model for the Indian stock market using Python, Pandas, and Scikit-learn, achieving 67% accuracy, aiding in better investment decisions
 - Optimized data preprocessing with Pandas and NumPy, significantly improving model efficiency by 15%
 - Introduced fault tolerance to achieve minimal server downtime and deployed containerized applications on AWS
 - Collaborated cross-functionally with product management and fellow engineering teams to drive the development of innovative features within our existing system
 - Contributed valuable technical insights during code reviews and actively participated in discussions concerning application enhancements
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ACADEMIC PROJECTS

Mental Health Chatbot (JavaScript, React, NLP, JWT)

- Constructed a Mental Health Chatbot leveraging JavaScript, React, and NLP for empathetic user engagement
- Utilized JWT as the tokenization scheme for OAuth2 to ensure a secure authentication process
- Enhanced and optimized an Oracle SQL Database for efficient data storage, retrieval, and personalized user interaction tracking

Hospital Management System (Java, Spring Boot, Angular, MySQL)

- Assembled a full-stack Hospital Management System using Java, Spring Boot, and Angular
- Spearheaded the design and creation of a relational database in MySQL for efficient data storage
- Integrated a payment system to facilitate direct payments for appointments and medications through the platform
- Maintained up-to-date documentation for all newly introduced product features

BookHub: An Interactive Platform for Readers and Authors (MongoDB, Express, React, Node)

- Developed a web platform for readers and authors using MERN, deployed on Netlify
- Utilized MongoDB for data storage, effectively managing user profiles, book details, and transaction records
- Implemented a subscription-based model, enabling readers to pay and become authors with the ability to upload and manage their books
- Integrated Stripe for secure payment transactions, ensuring reliable financial processing
- Configured email notifications for account creation and other significant user activities to enhance user engagement and communication