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 Development, Object-Oriented Programming
Bachelor of Information Technology   **June 2022**
Sreenidhi Institute of Science and Technology, Hyderabad, India
Relevant Courses: Data Structures & Algorithms, Agile, SDLC, DBMS, Software Engineering

TECHNICAL SKILLS

Programming Languages: Java, Python, React, Node.js, JavaScript, HTML5, CSS3, C
Frameworks & Libraries: RESTFul APIs, SpringBoot, Hibernate, JUnit
Databases: MySQL, MongoDB, OracleDB, PostgreSQL
SoftwareTools & Platforms: Apache Kafka, AWS, Terraform, Azure Kubernetes Service, Postman, Swagger, Visual Studios, Git, JIRA, Jupyter Notebook, NetBeans
Publications: Advanced Security System using Face Detection, in International Journal of Scientific Research in Science, Engineering, and Technology, Manuscript number: IJSRSET2293164, Volume 9, Issue 3
Certifications: AWS Academy Cloud Architecting**,** Machine Learning- Stanford University, Data Structures-Coursera

WORK EXPERIENCE

Full Stack Developer | Innova Solutions, Hyderabad, India   **June 2022 - Dec 2023**
- Engineered a **SpringBoot** 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 using **JUnit**, enhancing reusability, reducing duplication, and boosting productivity

Software Developer Intern | Techimax, Hyderabad, India   **Jan 2020 - June 2020**
- Created a dashboard web application for monitoring patient data using **React**, **NodeJs**, and **Redux** to interact with microservices in the cloud via **RESTful APIs**
- Implemented **Hibernate**, **MySQL**, and Spring Security to build a secure, scalable, and high-performance system
- Tracked and resolved application code defects using **JIRA**, achieving a 20% increase in test efficiency and a 15% improvement in data accuracy by automating the test management process and addressing root causes
- Explored proof of concepts for integrating innovative technologies into existing architecture and enhanced applications for better performance and efficient request handling

PROJECTS

OptiPath: Real-Time Pathfinding Engine
- Working on a pathfinding tool with **Python** and **A* Algorithm**, integrating heuristics, gScores, and fScores for efficient map navigation
- Enhancing user interaction and ensuring algorithm precision through advanced map visualizations and rigorous testing protocols, aimed at delivering high performance in real-time routing scenarios

BookHub: An Interactive Platform for Readers and Authors
- Developed a web platform for readers and authors using **Express**, **React**, **NodeJs**, deployed on Netlify
- Utilized **MongoDB** for data storage, effectively managing user profiles, book details, and transaction records
- Integrated **Stripe** for secure payment processing, integrated email functionalities for user communication, utilized **Socket.io** for real-time notification

Hospitality Industry Management System
- Enhanced user interface design and interaction for hotel operations using **Java** and **Swing**
- Facilitated **RESTful APIs** to facilitate seamless data exchange between the Swing front-end and backend services for dynamic content delivery
- Employed **MySQL** to manage complex data structures, optimizing transaction processing and data storage for room reservations and customer interactions

Job Search Portal
- Designed UI using **JavaScript** providing a seamless user experience for internal job searching
- Connected with **RESTful APIs** in SpringBoot to retrieve job listings using GitHub Jobs API
- Enabled dynamic filtering and sorting options by location and job type