Krishna Teja Rangavajjala

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SUMMARY

A Computer Science Master's graduate with expertise in front-end (React JS, HTML, CSS) and back-end (Spring Boot, Hibernate, RESTful APIs) development. Skilled in designing, developing, and deploying full-stack applications to solve complex technical challenges in dynamic tech environments.

EDUCATION

Master of Science in Computer Science **Aug 2023 - Present**
Saint Louis University
Coursework: Python, Machine Learning, Principles of Software Developer, Computer Networks, Web Programming, Distributed Computing, Web Technologies, Deep Learning, Algorithms.

Bachelor of Technology in Information Technology **2019-2023**
CVR College of Engineering
Coursework: C, Java, Design and Analysis and Algorithm, Object-Oriented Programming, Operating Systems, Cryptography, Data Communication, Relational Database Management Systems, Data mining, Cloud Computing, Software Engineering.

TECHNICAL SKILLS

Programming: Java, C, Python, JavaScript, HTML, CSS.
Frameworks & Libraries: React JS, Pandas, NumPy, Spring, Spring Boot, Maven, Hibernate, RESTful API, JPA, Scikit-learn, ML.
Databases: MySQL, SQL, MongoDB, JDBC.
Developer Tools: Visual Studio Code, Git, Jupyter, IntelliJ, MySQL Workbench, Docker.

PROJECTS

Job Portal: Spring Boot 3 & Role-Based Access

- Designed and developed a full-stack job portal using Spring Boot 3, Spring Security, and MySQL, implementing secure user authentication and role-based access control to ensure system security and enhance user experience.
- Enabled recruiters to post jobs, manage profiles, and download candidate resumes, while allowing candidates to apply for jobs, save listings, and manage dashboards, improving operational efficiency and scalability.

Movie Recommendation System

- Built an AI-driven movie recommendation system using Python and ML algorithms (Decision Tree, Random Forest, KNN), achieving 90% accuracy for personalized suggestions.
- Enhanced recommendation quality using cosine similarity and count vectorization, improving user engagement and satisfaction.

Hotel Booking Cancellation Prediction

- Developed a predictive model using ML algorithms (Decision Tree, Random Forest, KNN) to forecast hotel booking cancellations with high accuracy.
- Reduced revenue loss by 15% by optimizing booking management and addressing hospitality industry challenges.

PROFESSIONAL SKILLS - Communication Skills, Team Work, Problem Solving, Self-directed Learning, Ability to Work Under Pressure, Decision Making, Time Management Skills.

CERTIFICATIONS - Cloud Computing with Google, SQL with Oracle, Technical Hackathon.