

HITTISHI KURLAGUNDA

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EDUCATION

Master of Computer Science, Rutgers University

Expected May 2024

Gpa: 3.67/4

Bachelor of Electronic and Communication Engineering, GITAM University

June 2017 - May 2021

Gpa: 9.17/10

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, C/C++, JavaScript, HTML, CSS, MySQL, MongoDB, SpringBoot, NodeJs.

Tools and Technologies: Eclipse, Anaconda, GIT, Apache Tomcat, AWS, Jenkins, Postman, Docker, MySQL, REST, Jasmine, JSON, ReactJs.

Operating Systems: Windows, macOS, Linux.

PROFESSIONAL EXPERIENCE

Software Engineer – Junior DevOps Engineer

June 2021 - July 2022

MINDTREE - A LARSEN & TURBO GROUP COMPANY

Bengaluru, India

- Streamlined deployment processes and introduced automation tools, resulting in a 30% improvement in overall application performance for a Real Estate Organization based in the US.
- Collaborated closely with senior DevOps engineers to troubleshoot errors and fix bugs within DevOps-related code.
- Offered critical support to software developers, ensuring adherence to established development processes and best practices.
- Conducted regular code reviews and delivered feedback, resulting in a 20% reduction in post-release defects.
- Teamed up with cross-functional teams to streamline development workflows, reducing project delivery times by 15%.
- Established robust performance assessment and monitoring of CI/CD pipelines. Enhanced release reliability, achieving a 95% reduction in production incidents and downtimes.
- Introduced automated testing at different stages of the development cycle, reducing critical bugs by 25% and enhancing code quality.
- Refined monitoring solutions, resulting in a 20% decrease in system downtime and service interruptions.

PROJECT EXPERIENCE

Bidsy, Online Auction System

April 2023

— Tech: Java, JavaScript, JSP, HTML, CSS, MySQL.

- Partnered with peers to develop an advanced online auction system.
- Implemented real-time bidding using Java, allowing users to bid, view prices, and receive instant updates without page refreshes. Added item listing capabilities, including descriptions, prices, and durations, with user-friendly forms and validation to cut listing errors by 15%.
- Designed and managed a robust MySQL database, resulting in a 20% faster query response time and improved user access to profiles, listings, and bid history.
- Programmed search and filtering features for streamlined item discovery, reducing user search time by 25%.

MyBookPal, Online Bookstore Platform.

December 2023

— Tech: HTML, CSS, JavaScript, NodeJS, MySQL, Jasmine, Postman.

- Crafted an online bookstore platform. Integrated features like search, ensured secure payments (via third-party API) with a 95% success rate, and designed a dashboard for efficient book browsing, purchasing, and borrowing.
- Enabled customers to explore, purchase, and borrow books with added features like notifications, auctions, and a "Save for Later" list.
- Developed backend tools for 40% better inventory management and customer relations.

Image Classification with EMNIST Dataset.

September 2023

— Tech: Python, Torch, Numpy, Pandas, Scikit-learn.

- Built and deployed Conditional Categorical models for the EMNIST Dataset, achieving an impressive accuracy of 95%. Developed expertise in Maximum Likelihood Estimation (MLE) and Maximum A Posteriori (MAP) methods for estimating model parameters, with MLE yielding an accuracy of 92% and MAP reaching 94%.
- Conducted a learning curve analysis to assess model performance with varying training data sizes. The analysis demonstrated a 15% increase in accuracy upon doubling the dataset size, highlighting the model's scalability with larger training datasets.