

Skills

- **Programming Languages** : Java, Python, SQL, HTML, CSS
- **Libraries and Frameworks** : Spring Boot, Spring MVC, Spring JPA, Redis
- **Tools** : Git, Maven, MySQL, AWS
- **Other Skills** : Data Structures and Algorithms, Design Patterns, System Design

Experience

Engineering Intern

Aug 2021 - Oct 2021

The Sparks Foundation

Remote

- Developed a predictive model using supervised machine learning to forecast the percentage of marks a student is expected to score based on the number of hours they studied.
- Created a simple linear regression model for this task, leveraging just two variables.
- Implemented the model within a Jupyter Notebook environment to facilitate experimentation and analysis.
- Optimized the model's parameters systematically to improve its predictive accuracy and performance.
- Link for Demo: <http://bit.ly/3FhymJC>

Projects

E-Commerce Platform | Java, Spring Boot

🔗 <https://github.com/kasty100/productservice>

- Built a full fledged E-commerce platform with multiple microservices including Product Service, User Service, Payment Service.
- Optimized API response time from ~120 ms to 8 ms by caching API responses using Redis.
- Implemented comprehensive logging and monitoring for the system via Prometheus, Grafana, AWS Cloudwatch and Zipkin.
- Tech Stack: Java, Spring Boot, Hibernate, REST, Kafka, Redis, Spring Cloud, Prometheus, Grafana, AWS, Stripe API.

Hospital Management System | Java, MySQL

🔗 <https://github.com/kasty100/Hospital-Manage-System.git>

- Developed a Java based application for a hospital management system to offer users a streamlined experience in managing patient information, doctor schedules, and appointments.
- Implemented MySQL database integration with JDBC to facilitate storage and management of patient profiles, doctor schedules, and appointment histories, effectively managing 1000's of records.
- Leveraged IntelliJ, MySQL, Java, and Git for seamless development.

Achievements

- **RedHat Certified System Administrator** proficient in managing and maintaining RedHat-based systems.
- **Google Developers Students Club certificate** recipient for completing Cloud Engineering, Data Science, and Machine Learning track on Google Cloud Platform.
- **CompTIA IT Fundamentals Certified** professional with a strong grasp of essential IT concepts and principles.

Education

Scaler

2023

Specialized in Software Development & Problem Solving

Coursework: Java, Spring Boot, Data Structure & Algorithms, Low level design

PVG's College of Engineering and Technology

2022

BE/B.Tech/BS in Information Technology | 8.91 CGPA