# SATYENDRA SHRIVASTAVA

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## EDUCATION

**Master of Science in Information Technology**                                              **GPA: 4.0/4.0**
*Arizona State University, Tempe, USA*                                                      *Aug 2022 — May 2024*
Relevant Coursework - Operating Systems, Analyzing Big Data, Database Management Systems

**Bachelor's of Engineering**                                                                  **GPA: 3.8/4.00**
*Rajiv Gandhi Technical University, Bhopal, India*                                          *Jul 2018 — Jun 2022*
Relevant Coursework - Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Architecture,Machine Learning, Artificial Intelligence, Blockchain Technologies.

## EXPERIENCE

**Software Development Engineer**                                                           Jun 2021 — Jul 2022
*Ylytic*                                                                                     *Bangalore, India*
- Spearheaded the development of Ylytic.com utilizing Next.js and Flask, focusing on distributed system design. Enhanced user registration and analytics dashboards, resulting in a 47% increase in platform reach
- Automated build and deployment processes using Jenkins and Docker, optimizing multi-threading and distributed system operations to improve deployment efficiency by 33%.
- Optimized backend infrastructure and improved API efficiency, significantly enhancing the user registration workflow, leading to a 75% increase in customer acquisition.

**Software Development Intern**                                                             Jan 2021 — May 2021
*Greendzine*                                                                                *Bangalore, India*
- Engineered a real-time warehouse inventory management system using React.js, Node.js, and MongoDB, resulting in a 49% improvement in inventory management efficiency.
- Created precise object detection tool using OpenCV and TensorFlow, achieving 78% accuracy in component identification, addressing a critical operational need.
- Enhanced operational efficiency by integrating the object detection tool with the inventory management application, boosting overall operational efficiency by 59%.

## TECHNICAL SKILLS

**Languages**: Python, Golang, C++, Java, JavaScript
**Frameworks**: Next.js, React.js, Flask, Django, Node.js, Express.js, RESTful APIs.
**Databases**: MySQL, SQLite, MongoDB, Couchbase, PostgreSQL
**AWS Services**:EC2, Lambda, RDS, CloudFormation, S3, CodeDeploy, Elastic BeanStalk, IAM.
**DevOps**: Jenkins, CI/CD, Docker, Kubernetes, Terraform, Git, Ansible.
**Other Technologies** : OpenCV, TensorFlow, D3.js, Chart.js, Okta, PayPal API, Prometheus, Loki

## PROJECTS

**Personalized Content Recommendation System**                                             Jan 2024 — Mar 2024
- Implemented collaborative and content-based filtering in Python, integrated with a React.js front-end and Flask back-end, utilizing AWS (S3, Lambda, RDS) and A/B testing.
- Boosted user engagement by enhanced personalized content delivery, resulting in a 43% increase in user engagement within three months, driving higher user retention.

**Marketplace Application**                                                                 Oct 2023 — Dec 2023
- Architected a secure marketplace using React, Django, and MongoDB, facilitating seamless buying and selling of used items.
- Integrated Okta and Google SSO, PayPal, Prometheus, Loki, Jenkins CI/CD, Docker, Kubernetes, and SSL management, reducing deployment time by 42% and increasing reliability by 28%.

**Social Media Analytics Dashboard**                                                       Jan 2023 — May 2024
- Built an interactive dashboard with Next.js and Flask, integrating social media APIs (Twitter, Facebook, Instagram) for real-time data, using D3.js and Chart.js for visualization.
- Improved social media monitoring and analysis efficiency by 34%, enabling data-driven decisions and better social media strategies.