# ADITI SONAWANE

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## EXPERIENCE

**Software Engineer I** | Bloom, USA                                            Jul 2024 - Present
- Developed and maintained large scale **distributed systems** for insurance enrollment, created **Docker** containerization and utilized **Kubernetes** for simplified deployments.
- Designed **REST APIs** for **microservices** and created an API gateway to integrate software with external systems, enabling a 85% improvement in usage visibility.
- Integrated New Relic to monitor system health, diagnosis and resolution of production issues, enabling faster identification of bottlenecks and reducing incident resolution time by 35%.
- Initiated **test automation** and unit tests which achieved 100% success rate in functional tests, in addition to enforcing code merge policies with **build automation** that helped tackle a major production issue quickly.

**Software Developer** Intern | Bloom, USA                                        May 2023 - Dec 2023
- **Refactored** web services which improved CPU performance and memory usage by 35%, also contributed to **code reviews** for writing maintainable, scalable code.
- Refined API endpoints to fetch data in batches using **SQL**, reducing server response time from **4s to 630 ms**, resulting in more responsive web pages.
- Delivered **accessible features** and **reusable components** using **React** which contributed to a **75% reduction in page load times**.

**Software Developer** | Cognizant, India                                          Nov 2020 - Jun 2022
- **Led software development** of **customer-facing** web applications used by **1 million global users**.
- Collaborated with cross functional teams to migrate production servers to cloud, which improved system scalability by 40%.
- Troubleshot and resolved production issues, used Jenkins to establish CI/CD pipeline, reducing deployment errors by 30%.
- **Authored** feature **documentation**, driving 20+ design updates and provided guidance and **mentorship** to junior engineers.

## PROJECTs

**Document Manager for Lawyers** | **Python**, Machine Learning, OCR
- Standalone desktop app for lawyers with PDF OCR and intelligent cropping with **multithreaded** execution for efficiency.
- **Awarded** the 2nd Runner-up position at a university-wide Hackathon sponsored by Google Cloud with 250+ participants.

**CI/CD Pipeline using AWS** | **Java** (Spring), AWS
- **Automated** CI/CD pipeline using AWS CodeBuild, CodeDeploy, EC2 which reduced application deployment time by 80%.
- Enabled high-priority emails with AWS Lambda, boosting user engagement by 40% with timely and efficient communication.
- **Awarded** for the Most Creative Application among over 50 competing teams.

**Bank Data Classification** | **Python**
- Leveraged **Machine Learning** algorithms to create a scalable Classification System in Python, Django, HTML.
- **Best Paper**: 5th International Conference on Internet of Things, Next Gen Networks and Cloud Computing (ICINC-2020).

## EDUCATION

**Master of Science, Computer Science** | *Indiana University Bloomington, IN*          **May 2024**
**Coursework**: Software Engineering, Computer Networks, Cloud Computing, AI/ML          **GPA: 3.94**

**Bachelor of Engineering, Computer Engineering** | *Pune University, India*              May 2020
**Coursework**: Object-oriented programming, Data Structures, Algorithms, Operating Systems     GPA: 3.70

## TECHNICAL SKILLs

**Programming Languages**: C#, Python, Java, JavaScript, HTML, CSS
**Web Technologies:** REST, SOAP, JSON, Spring boot, ASP .NET, Django, Hibernate, Angular, React, Node.js
**Databases & RDBMS**: (SQL) MS SQL Server, MySQL, PostgreSQL, (NoSQL) MongoDB, Redis
**DevOps & SDLC Tools**: Git, Agile, Jenkins, Jira, VS Code, Maven, Gradle, Visual Studio, Confluence