

# Aditi Sonawane

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## EDUCATION

### Master of Science, Computer Science

Aug 2022 - May 2024

Indiana University Bloomington, IN, GPA: 3.93/4.0

Relevant Coursework: Applied Algorithms, Computer Networks, Software Engineering, Database Design, Cloud Computing, Security for Networked Systems, Data Mining, Applied Machine Learning, Usable AI.

### Bachelor of Engineering, Computer Engineering

Aug 2016 - May 2020

Savitribai Phule Pune University, MH, India, GPA: 8.29/10

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Web Development.

## SKILLS

**Programming Language:** C#, Python, Java.

**Front-End Development:** HTML, JavaScript, CSS.

**Database:** SQL, NoSQL, SQL Server

**Framework:** .Net, .Net MVC, .Net Core, ASP.Net.

**Technical Skills:** GitHub, Rest APIs, JSON, Full Stack Web Development, Ajax, Software Development, Software Engineering, CI/CD, Jenkins, Git, JIRA.

## WORK EXPERIENCE

### Software Developer Intern, Bloom Insurance, Bloomington, IN

May 2023 - Dec 2023

- Developed and maintained custom .NET application using MVC architecture, C#, AJAX, JavaScript and HTML.
- Collaborated on bug analysis, documentation, security enhancements, testing, version control through Github, resulting in a 20% improvement in system performance and reliability.
- Introduced AJAX-based asynchronous operations and created api calls to fetch data in batches, reducing server response times by 25%, resulting in a more live and interactive user interface.
- Notably, revamped and optimized various critical application features, contributing to a 75% reduction in page load times and a remarkable 95% improvement in overall performance.

### Software Developer, Cognizant Technology Solutions, India

Nov 2020 - Jun 2022

- Engineered and managed software for insurance policy forms using Agile, ASP .Net, Entity Framework, SQL Server, Jenkins, GitHub, and CI/CD Pipeline.
- Achieved a 30% decrease in deployment errors and a 25% boost in deployment efficiency, resulting in an impressive 90% reduction in application defects.
- Enhanced user interface functionalities, contributing to a 25% increase in user satisfaction and a 20% decrease in user-reported issues.
- Developed and scheduled scripts for manual tasks for support related tasks reducing average customer query resolution time by 75%.
- Strategically applied enhancements that accelerated web app speed by 25% through caching, session storage and real-time processing.

## PROJECTS

### CI/CD Pipeline using AWS, Indiana University Bloomington

Feb 2023 - May 2023

- Built 'CommunityConnect', a cloud-based communication platform for neighborhoods using AWS, enabling effortless communication between neighbors, incorporating features such as high-priority email notifications for important posts.
- Executed an efficient CI/CD pipeline with AWS CodeBuild, CodeDeploy, CodePipeline, and EC2 for reliable, accelerated code deployment by 52% while optimizing costs.

### Data design of Google Play Store Apps for Market Insights, Indiana University Bloomington

Nov 2022 - Dec 2022

- Utilized Google Play Store data to identify user groups, addressing questions on hiring, app success, and advertising alignment. Analyzed with MySQL, Neo4j, and Python, improving market insights precision by 20% and enhancing app suitability for promotions.

### Bank Data Classification using Python-Django Framework, Pune University

Aug 2019 - May 2020

- Created a real-time Classification System using C4.5 and Random Forest for Customer Acquisition, Retention, and Loan Prediction and improved model training efficiency by 30%, optimizing the overall performance of the real-time system.
- Trained the model on existing databases, incorporating key attributes like Customer Age and Education which resulted in a 25% improvement in the model's predictive accuracy. Implemented robust authentication and security using Django, building the system with Python, Django, HTML, and CSS.