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, Agile Methodologies.

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**
- Led a team of 4 in creating a 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.