

# Govardhan Arikatla

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## Skills

**Programming Languages:** C#, Python, JavaScript, HTML/CSS

**Frameworks:** React.js, ASP .NET, ASP .NET Core, MVC, MVVM, Django, REST APIS, OAUTH2, Entity Core Framework

**Developer Tools:** Azure Devops, Jira, Git, GitLab, Selenium, Visual Studio, Microservices, Kafka, Jenkins

**Databases:** MySQL, PostgreSQL, MS SQL Server, MongoDB

**Cloud technologies:** Amazon Web Services, Microsoft Azure, Docker, Kubernetes

## Work Experience

### JerseySTEM

Febraury 2024– March 2025

*Software Engineer*

*Remote*

- Developed and deployed scalable backend services using **C#, ASP .NET, and Microsoft SQL Server**. Implemented a microservices architecture, enhancing modularity, improving system performance and reliability, and enabling independent deployment and scaling of services.
- Developed and secured RESTful APIs using **C#, ASP.NET Core, and MSSQL Server**, improving API response efficiency by 30% and ensuring secure access to resources. Implemented a CI/CD pipeline with GitLab, reducing deployment time by 40% and enabling seamless continuous deployment of new features.
- Utilizing **JavaScript, React** for developing an dynamic user interface for the children learning dashboard. Deployed the application to cloud using AWS services to optimize the application performance by 30%.
- Optimized the slot capacity service, reducing critical API response times by 50% through query optimization, caching, and load balancing, achieving **P99 and P95 latencies** under 150ms and 50ms, respectively..

### Medintu Solutions

August 2021 – July 2022

*Software Engineer*

*Hyderabad, India*

- Orchestrated 15% enhancement of a web application through the strategic integration of **HTML, CSS, JavaScript, Angular, C#, ASP.Net Core Framework, WinForms, and MS SQL Server services**, resulting in streamlined processes and improved user experience
- Successfully designed REST APIs utilizing **ASP.NET Web API** for optimized data interaction between new communication portal and database, reducing data processing time by 30%.
- Improved the web application scalability by deploying with **Azure Devops** infrastructure, resulting to **25% reduced latency** and increase in the web application responsiveness.
- Demonstrated proficiency in GIT source code management, leading to a 20% decrease in deployment time and a 15% boost in version control precision.
- Development of web application has reduced end-to-end on-boarding time for business management by 40%, streamlining design using RabbitMQ and business intelligence.

### Tietoevry

August 2019 – July 2021

*Associate Software Engineer*

*Karlskrona, Sweden*

- Designed aging signs user interface using **HTML, CSS, JavaScript, and React** for front end and **Node.js, MongoDB** for backend impacting **25%** reduction in form validation errors and 15% improvement in user experience.
- Led Agile development using Scrum, reducing development cycles by 20% and improving collaboration.
- Executed the containerization of web application utilizing Docker and Kubernetes services, resulting in 30% improvement in the scalability of the application.
- Designed and optimized database objects—including Tables, Views, Stored Procedures, and User Functions—to enhance web component integration, reducing database query response time by 40% and improving overall application performance.

## Projects

### Web application for movie name prediction based on movie scripts | *Python, NLP*

- Engineered and led the deployment of an web application to analyze text from 50 movie scripts and predicting the movie name from that text using **ReactJS for the front end, and NodeJS** for serving the API requests to server.
- Trained a machine learning model using movie scripts data to predict movie names with text from movie script as user input data. Deployed the model with 80% prediction accuracy using Docker and Kubernetes.

### Mobile Application Development | *Flutter, Android studio*

- Developed the "Pass the Challenge" game application during a university mobile application technologies workshop using **Dart, Flutter for front end development and Java, Kotlin, and MongoDB** for back-end server implementation to store user stories. Achieved 2nd place out of 25 teams in the workshop.
- Conducted real-world testing of the Pass the challenge game application in a university setting, included actionable feedback from 250 student participants via survey questionnaires to drive iterative improvements and enhanced **user experience**.

## Education

### University at Buffalo, The State University of New York

Master of science in Computer Science & Engineering

Buffalo, NY

### Blekinge Institute of Technology & JNTU Anantapur

Bachelor of Science in Computer science

Karlskrona, Sweden & Anantapur, India

## Publications

Published a research paper on "prediction of movie name from plot of a movie as user input".