

# Govardhan Arikatla

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## Professional Summary

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Software Engineer with 2 years of professional experience in software applications development with multiple tech stacks in front-end and back-end development. Enthusiastic to solve and get wide exposure with the challenges from diverse work culture and organizations.

## Work Experience

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### JerseySTEM

*Software Engineer*

Febraury 2024– Present

*Remote*

- Volunteering in the software development team as an aim to provide education support for 2600 middle school girl children. Utilized google suite to implement user data automation with **Javascript** using **Google appscripts**.
- Developing APIs for Read from google sheet, Write to google sheet using **C#, ASP .Net Core** framework resulted in reducing the code reuse upto 20%.
- Implemented **Robotics Process Automation(RPA)** bots to automate several daily business activities that could help reducing 30% of the daily time for the JIRA board .

### Medintu Solutions

*Software Engineer*

August 2021 – July 2022

- Orchestrated 15% enhancement of a web application through the strategic integration of **HTML, CSS, Javascript, React JS, C#, ASP .Net Core, and PostgreSQL services**, resulting in streamlined processes and improved user experience
- Successfully designed APIs utilizing RESTful APIs for optimized data interaction between new communication portal and database, reducing data processing time by 30%.
- Improved the web application scalability by deploying with **Amazon Web Services** 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 onboarding time for business management by 40%, streamlining design and business intelligence.

### Zebo

*Software Engineering Intern*

Feb 2021 – July 2021

- Designed aging signs user interface using **HTML, CSS, JavaScript, and React JS** impacting **25%** reduction in form validation errors and 15% improvement in user experience.
- Implemented agile development using Scrum, reducing development cycles by 20% and improving collaboration.
- Implemented containerization of web application utilizing Docker and Kubernetes services, resulting in 30% amplified scalability of the application.
- Implemented database objects like Tables, Views, Stored Procedures, User Functions seamlessly integrated them into web components, achieving a 40% decrease in database query response time.

## Skills

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**Programming Languages:** Python, C#, Java

**Web Development:** Html, Css, JavaScript, React, Django, Flask, REST APIS, ASP .Net

**Developer Tools:** Jenkins, Maven, Git, Junit, Jira, Selenium, Eye automate, Agile, Linux

**Databases:** MySQL, PostgreSQL, MongoDB

**Cloud technolgies:** Amazon Web Services(EC2, ELB, RDS, and S3), Docker

**Big Data frameworks:** Hadoop, Spark, Kafka

## Projects

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

- Engineered and led the deployment of a groundbreaking web application to analyze text from 50 movie scripts, and predicting the movie names from that text.
- Trained a machine learning model using movie scripts data to predict movie names with text from movie script as user input data. Selected and deployed the model with 80% prediction accuracy.

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

- Developed the "Pass the Challenge" game application during a university mobile application technologies workshop using **Flutter, Figma for front end development and Android-SDK, Java programming language, and MongoDB** for backend server implementation to store user stories. Achieved 2nd place out of 25 teams in the workshop.
- Conducted comprehensive 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

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

August 2022 - January 2024

Master of science in Computer Science & Engineering

Buffalo, NY

**Relevant Coursework:** Data Structures and Algorithms, Project Management, Machine Learning, Modern Networking Concepts

### Blekinge Institute of Technology

August 2020 - July 2021

Bachelor of Science in Computer science

Karlskrona, Sweden

**Relevant Coursework:** Cloud Computing, Mobile Application Development, Software Testing

### JNTU Anantapur

August 2017 - July 2020

Bachelor of Technology in Computer science and Engineering

Anantapur, India

**Relevant Coursework:** Theory of Computation, Computer Networks, Software Engineering

## Publications

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Published a research paper on "prediction of movie name from plot of a movie as user input", under the supervision of Dr. Suejb Memeti.