

SRIKAR BALMURI

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EDUCATION

Georgia State University

Atlanta, GA

Master of Science in Computer Science [GPA: 3.8/4.0]

May 2021

Coursework: Analysis of Algorithms, Web Programming, Advanced Machine Learning, Mobile App Development, Advanced Software Engineering, Parallel Algorithms, Graph Mining

Sreenidhi Institute of Science & Technology

Hyderabad, India

Bachelor of Technology - Electronics and Communication Engineering [CGPA: 8.5/10.0]

April 2018

Coursework: Data Structures, Object Oriented Programming, Database Systems

PROFESSIONAL EXPERIENCE

Georgia State University

Atlanta, GA

Graduate Research Assistant

January 2021-Present

- Working under CETL Department to incorporate new features into GSU's LMS portal iCollege by utilizing the existing Brightspace D2L tools

Graduate Teaching Assistant

January 2020-December 2020

- Principles of Computer Science: Assisted Professor Louis Henry in conducting the lab and coursework for UG students
- Computers and Applications: Assisted Professor Xueting Liao in conducting the coursework for UG students

Accenture Technologies

Hyderabad, India

Software Developer

May 2018-December 2019

- Worked in the financial domain for developing Restful Services using ASP.NET, C# and Dynamics CRM
- Collaborated on complete project life cycle, from requirements gathering, development to production releases
- Worked in teams using Agile methodology to stay on track for projected goals
- Utilize Microsoft Team Foundation Server (TFS) for code merging and deployment
- Validate code with SonarQube to assure building quality secure code to meet acceptance criteria
- Utilize Jenkins to deliver CI/CD process, swagger to document Restful Services and Microsoft Fakes for test cases
- Documented code and created technical document to increase understandability and maintainability
- Resolved application defects, production issues and mentored team through Knowledge Transfer (KT) sessions

SKILL SET

Programming: Java, C#, Python, JavaScript

Frameworks: ASP .NET, SpringBoot

Database: MS SQL, MySQL, Oracle DB, MongoDB

Cloud Services: Amazon Web Services (AWS)

Web Technologies: HTML5, CSS3, NodeJS, Angular, ReactJS

Methodologies: Agile, Scrum

CI/CD Tools & Containers: Jenkins, Docker

Version-Control: Microsoft TFS, Git

Concepts: OOP's, Hadoop, Design Patterns

Tools: Visual Studio, Eclipse, Android Studio

ACADEMIC PROJECTS

Medical Tracking System Web Application (Angular, Spring Boot, MySQL)

- Designed and developed a highly scalable Full Stack application and deployed in cloud using docker images. Improved the performance of Front End by removing unnecessary component re-rendering by using pure components.
- Implemented Spring Security for Authentication and Spring Data JPA for Database Operations.

Messaging Application (Android, JAVA, Firebase)

- Developed a Messaging Application in JAVA using Firebase Database for Authentication and storing the Credentials and Conversations of Registered Users
- Implemented AES Encryption for messages and developed a unique feature i.e., self - destructing messages

Movie Rating Application (ReactJS, NodeJS)

- Devised and Designed a responsive web application for users to search and rate for movies. Utilized the Open Movie Database API and integrated with the web app using NodeJS.
- Developed simple and clean UI by retrieving the data from back-end server using ReactJS. Used MySQL Database to store the user data dynamically.

Predict A Voter's Political Orientation Using Their Tweets (Python)

- Built an Analytical tool to predict the polls for the upcoming elections. Used AWS SageMaker to create, train and deploy Machine Learning model to the cloud.
- Analyzed various ML Models like Decision Tree, Random forest, KNN, Word2Vec and Fast Text to verify which models has highest accuracy.

Conway's Game of life (HTML, CSS, JavaScript, MySQL)

- Developed a web app using HTML, JavaScript, and CSS with various patterns to demonstrate Cell Replication using the rules from Conway's Game of Life. Implemented sign/signup using MySQL and stored the high scores of registered users.
- Deployed the web app on AWS EC2.