

SAI SURYA SIVA PRASAD RAGHAVARAPU

suryaraghavarapu@gmail.com • (740)-552-0627 • <https://www.linkedin.com/in/siyasurya>

EDUCATION

Rutgers University **New Brunswick, NJ**

M.S in Computer Science, expected May 2024.

- Cumulative GPA: 3.8/4.0
- Relevant Coursework: Data Structures, Machine Learning I & II, Operating Systems, Database Management Systems, Design of Internet services, Comp Architecture, Computer System Security, Artificial Intelligence.

Amrita University **Bangalore, India**

B.S in Computer Science, August 2020

- GPA: 3.8/4.0, Graduated as top 10 of class
- Secretary(IEEE student branch), Treasurer(Association of Computing Machinery).

EXPERIENCE

Accenture-Full Stack Developer

(January 2021-August 2022)

- **Document Auto-Fill:** Developed Salesforce Document Auto-Fill using Apex triggers and classes to process and extract data from documents, leveraging Amazon Textract for OCR and text extraction and Lightning Web Components for seamless UI integration.
- **Latest Health Care News:** Integrated Salesforce Apex controllers and Lightning Web Components to consume the Google News API and dynamically fetch and display real-time health care news within the patient portal.
- **Near By Healthcare Professionals:** Integrated the Salesforce Maps API with Apex controllers and Lightning Web Components to search, retrieve, and display healthcare professionals' geolocation data within the patient portal, using custom objects for data storage and mapping components for visualization.

Experts Hub-Full stack development Intern

(August 2020 - December 2021)

- **Care Plan Portal:** Implemented a comprehensive Care Plan Portal using Apex triggers, classes, and Lightning Web Components, leveraging Salesforce Einstein Analytics for data analysis, Einstein Prediction Builder for personalized care plan recommendations, and Einstein Language for sentiment analysis.
- **Chatbots:** Implemented AI-powered chatbots using Salesforce Einstein Language, leveraging Apex and Lightning Web Components to create conversational flows, integration with Dialogflow for natural language processing, and Salesforce Platform Events for real-time updates.
- **Due Dates Based on Business Days:** Developed a custom Apex trigger to calculate due dates by considering business hours, holidays, and weekends, using custom settings or custom objects to define and manage holiday schedules.

SKILLS

- **Programming Languages:** JAVA, C++,HTML,CSS, Ocaml, Python, Prolog, MySQL, Apex.
- **Tools/Technologies:** Linux, MySQL Workbench, Eclipse, Tomcat Server, Moodle, Ionic Angular, Flutter, Figma, Framer, Visual Studio Code, Github, node.js.
- **Soft Skills:** Strong work ethic, Communication, Team Management, and Time Management.

PROJECTS

- **Navigating a maze with Intelligent agents:** Developed a graph simulation program using various algorithms such as BFS, DFS, A*, and Dijkstra's. Implemented a GUI interface for user interaction.
- **Multi-Agent Search Strategies in Graph-Based Environments:** Designed and implemented a multi-agent system in Python to model and solve a game of Predator-Prey pursuit with incomplete information, utilizing Monte Carlo simulation and Bayesian inference to calculate belief states.
- **Trie-based search engine:** Implemented a Trie-based search engine using AngularJS and JavaScript. The engine allows for efficient prefix-based searches on a large dataset.
- **Concurrency in web server design:** Simulated a web server that handles multiple connections using C programming language.
- **Chat App using Chord protocol:** Designed and implemented a chat application using Python and the Chord protocol, allowing for distributed communication between users on a decentralized network.
- **Buy me: The online auctioning platform:** Developed a full-stack website using JSP, Java, MySQL, JDBC, CSS, and HTML, resulting in a seamless user experience and streamlined auction process.
- **Deepfake detection using ResNext and LSTM algorithms:** Developed a deep fake detection approach using ResNext and LSTM algorithms with 91% accuracy over the Celeb-DF dataset, addressing the challenge of detecting and preventing the spread of harmful media
- **Network-based Tic Tac Toe Game:** Developed and implemented a two-player Tic Tac Toe game using Java programming, incorporating OOP concepts. Utilized networking servers and threads to enable players to connect and play the game over a network.

Publications:

- Employing Sustainable Advances in Technology to Address the Rising Unemployment Levels in Muljipura, Madhya Pradesh.[\[Link\]](#)
- Methods for Epileptic Seizure Prediction Using EEG Signals: A Survey[\[Link\]](#)