

# Sai Durga Shashidhar Pothukuchi

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## Education

**Master of Science in Computer Science** | *University of South Florida*  
C.G.P.A – 4

**August 2022 – Present**

**Bachelor of Engineering in Computer Science** | *MECS, Osmania University*  
C.G.P.A – 3.79 (WES accredited)

**June 2020**

## Work Experience

**Graduate Research Assistant** | **University of South Florida**

**December 2023 – Present**

- Research on Aspect-based Sentiment Analysis for generating better prompts.

**Full Stack Developer** | **Cognizant – Chennai, India**

**November 2020 – June 2022**

- Contributed to software development for a major US-based pharmaceutical company, resolved production defects and critical issues, reducing 30% of overall defects.
- Proficient in utilizing Java11, Spring Boot, React, Node.js, and various front-end technologies to deliver high-quality solutions.
- Adept at implementing microservice architecture, leveraging cloud technologies such as Azure and Kubernetes for deployment. specializing in the end-to-end development of web and enterprise applications.
- Experienced in applying modern Java features, conducting unit testing, and contributing to Azure CI/CD pipelines, ensuring the robustness and scalability of software applications.

**SDE Intern** | **Cognizant – Hyderabad, India**

**January 2020 – April 2022**

- Worked on C#, .NET, SQL, Web development completing coding challenges and internship project.

**Intern** | **ECIL**

**June 2019 – July 2019**

- Worked on Aadhar based online voting system built on JSP, MySQL, and Bootstrap. [Project Link](#).

## Technical Skills

**Languages:** Java, Python, C, C++, JavaScript, SQL, NodeJs

**Tools and Frameworks:** Spring Boot, Spring MVC, Angular, React, Maven, Gradle

**Frontend:** HTML, CSS, Bootstrap, JavaScript

**Databases:** MySQL, PostgreSQL, Cassandra, MongoDB, Microsoft SQL Server

**Cloud Platforms:** Azure DevOps, Azure API Management, AWS EC2, AWS Code Pipeline, GitHub, Docker, Kubernetes, Jira

**Development Tools:** Jenkins, Putty, XML, SOAP

**IDE Tools:** Eclipse, Spring Tool Suite, SQL Developer, VSCode

**Design Methodologies:** Agile, Scrum, MVC Pattern

**Operating Systems:** Windows, Linux

## Projects

**Robotic Simulation of Object Mixing using Deep Q Learning**

- Worked on simulation of mixing objects using Q learning and Deep Q learning network in CoppeliaSim and Python.

**Smart Grocery Management Application** | [Project Link](#)

- Created a Full-stack application that manages grocery inventory and creates a grocery shopping list. Developed the application, written report, conducted a user survey.
- Technologies used – MongoDB, NodeJS, React, Express, React-Bootstrap.

**Aspect-Based Sentiment Analysis Using Machine Learning** | [Project Link](#)

- Used scraped Amazon reviews to obtain aspect-based sentiment of desired product on Amazon website which can be selected using either id, name, or URL.
- Technologies used – NLTK, Flask, NodeJS, React, Material-UI.

## Achievements/Responsibilities

- Certifications – NPTEL - Programming, Data Structures and Algorithms Using Python.
- Social Media Head – Served for Matrusri Campus Connect at MECS.