

SAI ABHINAV REDDY BADINEHAL

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EDUCATION

Master of Science: Computer Science, University at Buffalo, The State University of New York **Dec 2023**

- CGPA: 3.67

Bachelor of Engineering: Computer Science Engineering, GITAM University, Hyderabad, India **Jun 2021**

- CGPA: 9.23

SKILLS & TOOLS

Languages: Python, Java, C#, C++, C, SQL, Solidity

Data Management & Analytics: MySQL, MongoDB

Web Development: HTML, CSS, JavaScript

Tools: Visual Studio, Git, CI/CD, Postman, Linux/Unix

Frameworks: Flask, Microsoft Bot Framework, Rest API, ReactJS

Cloud & Services: AWS, Cloud Formation, Lambda, Amazon S3, Azure, LUIS, QnA Maker

WORK EXPERIENCE

Tata Consultancy Services (TCS), Hyderabad, India

Jun 2021 – Jul 2022

Software Engineer

Dec 2021 – Jul 2022

- Developed Customs Chatbot for German-based Semiconductor company **Infineon**, leveraging in bot to provide 97% accurate answers and 15% increase in operational efficiency utilising Microsoft Bot Framework (C#), Python, MySQL, and REST API.
- Collaborated closely with clients to understand requirements, incorporating feedback into the development process, resulting in a 50% increase in customer satisfaction and 100% on-time project delivery.
- Played key role in debugging and resolving complex integration issues, enhancing in system reliability by 35%.

Assistant Software Engineer

Jun 2021 – Nov 2021

- Designed chatbot application using React JS, JavaScript, and MongoDB, serving in over 500 users monthly, providing streamlined teaming-up processes, and receiving commendable feedback from 95% of management.
- Spearheaded the deployment of chatbot application on Azure, leading to enhanced scalability and 20% reduction in response times for user queries.
- Mentored 10+ new team members through knowledge transfer sessions, contributing towards smooth onboarding efficiency and overall team productivity.

COMPUTER SCIENCE PROJECTS

DeepSign - Deep Online Handwritten Signature Verification

Mar 2023 – May 2023

- Verified Online Handwritten signatures inputted via finger by checking its genuineness and authenticating individuality in 2-person team using Deep learning.
- Implemented TA-RNN (Time Aligned Recurrent Neural Network) deep learning algorithm and carried out verification process, resulting in 9.0% EER (Equal Error Rate).

Blood By Blockchain

Sep 2022 – Dec 2022

- Created UI-enhanced blockchain application for critical blood donation matching in 2-person team, ensuring cross-browser compatibility and responsive design using JavaScript and Solidity.
- Streamlined real-time communication between participants with solid decentralized network, leading to 30% uptick in donor engagement post-implementation.

Pintos Operating System

Sep 2022 – Dec 2022

- Constructed Unix Based Operating System in 3-person team using C.
- Expanded core operating system components, including thread management, virtual memory, and file system, gaining 100% hands on experience in low level programming and kernel development.

CERTIFICATIONS

AWS Certified, Cloud Practitioner

Jan 2024