

# Raveena Allam

**Software Developer | Software Developer in Test | Data/Program Analyst**

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## EDUCATION

**Master of Science, Computer Science**, California State University Long Beach, GPA 3.7/4.0 **Jan 2021 — Jan 2023**  
*Coursework: Data Structures and Algorithms, Software Engineering, Software Testing Verification, Operating Systems.*  
**Bachelor of Technology, Computer Science**, Gitam Deemed to be University, GPA: 3.85/4.0 **June 2016 — June 2020**

## TECHNICAL SKILLS

**Languages:** C#, C++, JavaScript, Java, C, Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, PyTorch)  
**Databases:** Mongo DB, SQL, MySQL, DynamoDB, **Server SQL**  
**Tools:** Postman, Selenium, Git, AWS, Microsoft Azure, Azure DevOps, Docker, Figma, Visual Studio, Jira, Confluence, Scaled Agile  
**Others:** Power BI, REST API, **.NET environment**, Web Development-HTML, CSS, JavaScript, Bootstrap, NodeJS, jQuery, Redux, SDLC, Software Design, MVC, GIT, ElasticSearch.

## WORK EXPERIENCE

**TECHNOLOGY INTERN (QA AND BACKEND) | Candid** **June 2022- Present**

- Enhanced existing endpoints with new features, driving a 15% increase in user engagement through skillful utilization of C# and JSON. Revitalized backend Postman API collection and diligently updated changelog for Candid Internal API website, achieving a consistent 98% accuracy rate in API documentation using C#, JavaScript, and JSON
- Subject Matter Expert for Postman API testing for Backend API. Crafted an automated API testing console application in C# using Visual Studio, driving a remarkable 60% decrease in testing time and elevating accuracy.
- Engineered comprehensive test suites in a .NET environment (C#, Selenium, TeamCity) for product API releases, resulting in a noteworthy 25% reduction in post-release defects with 95% code coverage for unit tests. Elastic Search integration further boosted search query efficiency by 40% for an improved user experience.
- Meticulously devised targeted test plans and systematically resolved over 150 bug issues in JIRA, bolstering software quality by 30% within Agile/Scrum development practices. Leveraged Azure DevOps, alongside Git version control, streamline the development workflow, resulting in a 25% reduction in deployment time.
- Tools: C#, JavaScript, Elastic Search, Postman, Azure DevOps, Git Version, JSON, Confluence, Jira

**TEACHING ASSISTANT | CSULB**

**Aug 2021 – Jan 2022**

- Assisted over 100 undergraduate students in providing technical direction in hardware description language code design and development. *Tasks:* Co-teaching lecture, co-writing course curriculum, holding office hours, and writing and grading exams, exercises, Lab projects, conducting weekly demo and quizzes for 2 lab sections.

**RESEARCH ASSISTANT | CSULB**

**Apr 2021 — Dec 2021**

- Proactively contributed to summarized 12+ malware detection techniques and 25,000 CWE ID vulnerabilities.
- Researched on Intelligent Hardware-Based Anomaly Detection and Vulnerability Analysis with Machine Learning and Ontology Modeling. Conceptualized storytelling visualization with GUI Framework using PyQt5 and python.

**MACHINE LEARNING INTERN (Grepthor Software Solutions, India)**

**May 2019-July 2019**

- Applied advanced machine learning techniques including LSTM and SVM to develop impactful projects such as "Prediction of Liver Diseases" and "Iris Dataset," achieving an accuracy rate of 85% in python.

## PROJECTS

**API Verification Program (Tools: C#, JSON, JavaScript, React, Redux, Git)**

**Dec 2022**

- API Verification Program uses C# to compare the JSON results of production and deployment. The program produces results on a dashboard built with React and Redux, providing a clear and user-friendly interface for monitoring API performance.

**Multipage Personal Blog Website** - Created a multi-page personal blog application using HTML, CSS, Bootstrap, JS, Node.js, Express.js, body-parser, API, MongoDB Atlas cloud cluster.

**Events Tracker App**

- Created a web application using Reacts, Redux, Node, and Mongoose with MongoDB to centralize all the events happening in SoCal. Built REST APIs using Express, frontend using React and hosted cloud-based database utilizing MongoDB Atlas

**Hostel Database Management Systems (Tools: MongoDB, Oracle DB Server, React.js, SQLite, Java)** **Sept 2019 - Oct 2019**

- Targeted design oriented and implemented a user-friendly GUI-oriented computerized transaction management system for a College Hostel, resulting in a 20% increase in efficiency.

## CERTIFICATIONS AND EXTRA CURRICULAR ACTIVITIES

- ‘Python Programming for Everybody’** provided by Coursera for python programming along with Capstone Project.
- “Full Stack Web Development using MERN (MongoDB, Express Js, React, Nodejs) Workshop”** by QuestDot.