# Sanjay Amirneni

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## EDUCATION:

- **University of Central Missouri (Master of Science in Computer Science) (GPA – 3.5/4)**        **Expected Graduation December 2022**
  Coursework- Advanced Web Application Services Development, Advanced Database Systems, Software Testing Quality Assurance,
    Cloud Computing, Advanced Algorithms.
- **R.V.R&J.C College of Engineering (Bachelor of Technology in Electronics Engineering) (GPA-8.71/10)**        **Graduated May 2019**
  Coursework – Data Structures, Object Oriented Programming, Programming Language.

## SKILLS:

- **Programming Languages:** Java, Python
- **Scripting:** SQL, HTML, CSS, JavaScript.
- **Technologies & Frameworks:** React, NodeJS, Express, Bootstrap, Material UI, Flask.
- **Cloud Platform:** Amazon Web Services: EC2, S3, Cloud Front, AWS Cognito, AWS Amplify, DynamoDB, AppSync, KMS.
- **Databases:** MYSQL, SQL Server, NoSQL (MongoDB).
- **Testing:** React Testing Library.
- **Tools:** Eclipse, Visual studio code, Postman, SQL workbench.
- **Version Control:** Git (GitHub, GitLab).

## PROFESSIONAL EXPERIENCE:

**Associate System Engineer at TCS Mumbai, India**                                 **July 2019 – June 2021**

**Role: Frontend Developer:**

- Worked with react library to create reusable components throughout the application.
- Developed web pages using HTML/HTML5, CSS, Bootstrap, JavaScript, React JS, Material UI, Node.js.
- Worked on Authorization of User by using JWT Token.
- Implemented micro frontends in the web application.
- Worked on data exchange and routing techniques between micro frontends.
- Good knowledge on webpack configuration and its related plugins for micro frontend architecture.
- Maintained states in the stores and dispatched the actions using redux.
- Good knowledge on react-router and react hooks.
- Experience in testing web services of SAOP and RESTful services using Postman.
- Worked extensively in Agile methodology (2 weeks SCRUM).

## PROJECTS:

**Searchrecipe:**

- Developed a single page web application using HTML, CSS, JavaScript.
- Developed the application using MVC Architecture.
- Used third party api's to fetch information and displayed the information in the application.

**Netflix Clone:**

- Designed Netflix clone using ReactJS and CSS.
- Used TMDB API to load real time data of Netflix shows and movies by calling it with axios and displayed it on the webpage.
- Implemented redux to store and exchange data in the application.

**E-Commerce Website:**

- An online shopping site built with React, react-router, redux, axios, NodeJS, Express, MongoDB Atlas.
- User can SignIn, SignUp, Signout, search for products, view them, add them into cart, can modify the cart, purchase the products and can view the purchased products in returns page.
- Implemented session management in the application.
- Implemented debouncing and lazy loading concepts to optimize the performance of application.
- Integrated STRIPE API with the application to perform real time payments.

**Personal Storage Vault:**

- Developed a serverless application using ReactJS as frontend and Aws Amplify as backend.
- User can SignIn, SignUp, Signout, store the data in cloud and can access it anywhere and anytime.
- User can also download, delete, or view the data in the application.
- Used AWS services like Cognito for user signin/out, S3 for data storage, DynamoDB for metadata storage, AppSync for GraphQL API, KMS for encryption, Cloud Front for accessing the data, Amplify for hosting the web application.