

# Prasanth Galla

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## SUMMARY

With 7 years of experience in web application development as a front-end developer, including more than 4 years specialising in ReactJS, I possess extensive expertise in constructing web applications using prominent frontend technologies such as **HTML**, **CSS3**, **JavaScript**, **TypeScript**, **ReactJS**, and **Node.js**.

## SKILLS

**Languages & Frameworks:** PHP, JavaScript, Python, R, React, Redux, TypeScript, HTML5, CSS3

**Development Tools:** Webpack, Babel, Rollup, NPM, Yarn, Git, Jenkins, Docker

**Testing:** Jest, Enzyme, React Testing Library, Cypress

**Additional Technologies:** GraphQL, REST APIs, Node.js, Express.js, MongoDB, SQL

**IDE:** Notepad++, Sublime Text, Visual Studio Code

**Methodology:** Agile, Waterfall, Scrum

## EDUCATION

Master of Science, Data Science Aug 2023 - Dec 2024

University at Buffalo, SUNY

Bachelor of Technology, Electronics & Communications Jul 2012 - May 2016

Vellore Institute of Technology

## WORK EXPERIENCE

**COGNIZANT** Jul 2016 - Jul 2023

**Associate** (Aug 2021 - Jul 2023) | Led a team of three UI developers to build a ReactJs web application for managing account flags for user accounts at UBS, contributing as a React developer to design and implement key features.

- Designed the architecture of this single-page application using ReactJs, implemented Prettier and ESLint for coding standards, integrated Redux Saga for efficient state management, and added test cases using the React Testing Library which helped reduce the bugs by 30%.
- Achieved recognition for developing low-level components for custom library components, resulting in a 50% reduction in code changes for library updates.
- Utilised Web Workers to implement multithreaded file reading processes, increasing efficiency by 40% and enhancing application performance.
- Implemented performance profiling and optimisation techniques using React Profiler, which reduced application load time by 30% and enhanced the user experience.

**Programmer Analyst** (Jan 2019 - Jul 2021) | Worked as a React developer, collaborating on a client onboarding application for UBS.

- Collaborated with business analysts to comprehend and execute complex business rules, ensuring smooth integration into the application. Engaged in thorough requirements gathering and validation sessions, resulting in a 25% increase in story completion rates.
- Utilized Redux for global state management, significantly reducing code complexity and enhancing maintainability of the application by 25%.
- Mentored junior developers in coding best practices through code reviews, improving team productivity by 20%.

**Programmer Analyst** (Dec 2017 - Dec 2018) | Worked on developing a Medical Case and Report search feature for Bayer using Drupal 8.

- Designed and implemented comprehensive search functionalities, enabling keyword and location-based queries across a database of 5,000+ medical cases, complete with dynamic filtering for over 20 medical conditions.
- Upgraded user interfaces with interactive multi-level filters, improving search result precision and reducing retrieval time by 30%.

**Programmer Analyst Trainee/Programmer Analyst - Cognizant** (Jul 2016 - Nov 2017) | Contributed as a Drupal developer to migrate 1500 investor relations websites for Nasdaq clients to the Drupal 8 platform.

- Engineered over 30 Drupal sites by leveraging Views, Blocks, Forms, and custom modules to deliver robust, scalable, and user-friendly web solutions.

- Implemented Responsive Web Design (RWD), CSS, HTML, JavaScript, jQuery and Twigs, enhancing site functionality and user experience.
- Collaborated with the QA team to identify, troubleshoot, and resolve defects, achieving a 98% defect resolution rate during site testing.

## **DATA SCIENCE GRADUATE PROJECTS**

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### **DBMS for Blood management system: SQL**

- Performed business and technical skills related to the field of Database Management, including topics such as the SDLC, ER Diagrams, Data Modeling, as well as the SQL behind it all.

### **Statistical Data Mining: R**

- Understood the concepts of pre processing data and analysis on Histograms, Box plots, Scattered plots
- Learnt the concepts of KNN and Linear model and applied the concepts in various data sets present in ISLR package.

## **ADDITIONAL INFORMATION**

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**Volunteer**, Cognizant outreach program activities , July 2016 – July 2023

**Membership Lead**, Program Representative for Electronics and Communications, Vellore Institute of Technology, July 2017 – June 2018