

Agasthya Yerrapragada

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Summary:

Motivated and self-taught web developer with a passion for creating efficient and user-friendly web applications. Demonstrates a strong ability to learn independently, adapt to new technologies, and collaborate effectively in team settings.

Skills:

- **Languages:** HTML, CSS, JavaScript
- **Frameworks:** React, Node.js, Express
- **Databases:** MongoDB, PostgreSQL, Microsoft SQL Server
- **Integration:** HL7, Mirth Connect
- **Tools:** Git, GitHub, Visual Studio Code
- **Other:** Responsive Web Design, RESTful API Development, Debugging and Problem-Solving

Experience:

Systems Engineer Intern

Health Grid | June 2019 - August 2019

- Analyzed over 500 HL7 message structures and workflows to understand healthcare data exchange standards.
- Conducted SQL queries on large-scale hospital databases, handling datasets with up to 50,000 rows, supporting integration projects.
- Diagnosed and resolved 10+ HL7 message transmission issues, documenting troubleshooting steps.
- Created comprehensive documentation for HL7 message formats and database queries, used by a team of 6 engineers.
- Collaborated in 15 team meetings and knowledge-sharing sessions, contributing to the success of 3 major integration projects.

Projects:

- **Shopping Cart Application:** Built using React. Handled a catalog of over 100 products. Implemented a cart system that allowed users to select quantities, with real-time cart updates showing product quantities and a running total. Improved user experience through mobile-responsive design and optimized loading times by 25%.
- **Blog API:** Developed a RESTful API using PostgreSQL and Express to serve as the backend for two React applications: a client app and a client-admin app. Implemented user authentication and role-based access control for managing blog posts and admin functionality. Provided endpoints for creating, reading, updating, and deleting blog posts, serving hundreds of requests daily. Optimized database queries and API performance, reducing server response times by 35%. Successfully handled concurrent users across both client applications, ensuring smooth operations for admins and users alike.

Education:

Bachelor's Degree

University of Central Florida | August 2019 - May 2021