

Sai Preethi Pantangi

571-435-2604 | pantangisaipreethi@gmail.com | [LinkedIn](#) | [GitHub](#)

EXPERIENCE

- Full Stack Engineer** | 22nd Century Technologies June 2024 - Present
- Working on the development of IDPBot application to generate statistical reports for multiple forms.
 - Tech stack: React JS, .NET, SQL Server, DynamoDB, Swagger**
- Full Stack Engineer** | George Mason University Jan 2024 - May 2024
- Developed responsive and end-to-end UI design, **WCAG**-compliance web application development, reducing development time by **20%** through **reusable component** libraries in the data science team.
 - Boosted front-end performance, slashing initial load time by **40%** through **lazy loading**, and boosting page speed scores by **25%**. Furthermore, elevated user engagement by **70%** through **data analytics and visualization using D3.js** and decision-making and strategic **API deployment**.
 - Tech Stack: React JS, Redux (state management), Python, Flask, JSON, PostgreSQL, Postman, D3.js, Material UI, USWDS, SASS**
- Software Engineer Specialist** | Dassault Systèmes Aug 2021 - Dec 2022
- Architected the Schedule Tab feature facilitating seamless communication among **cross-functional** teams and integration of timeline feature, helping stakeholders effectively manage product features and milestones, resulting in a **25%** increase in product management.
 - Executed **batch processing** of **HTTP REST API's** requests to optimize data handling, resulting in an **80%** increase in **page load speed, web performance (web infrastructure)** and overall application efficiency.
 - Designed and spearheaded a **reusable component** for **PLM** utilizing parameterized modules and Reducing code rewrites by 45%, streamlining development processes and promoting **code efficiency**.
 - Documented essential details and provided guidance to **5 teams** on implementing the component, ensuring consistent usage and integration.
 - Attained **95%** unit test coverage and **50%** reduction in post-release bugs through Agile, regression and integration test.
 - Created **python scripts** to automate award generation, reducing manual effort by **87.5%**, enhancing accuracy and operational efficiency.
 - Earned the **Evangelist award** in recognition for outstanding contributions within a short six-month period of joining the organization, demonstrating exceptional expertise and impactful results.
 - Tech Stack: Vanilla JS, Node JS, Python (NumPy, Pandas), GraphQL, MySQL, Asynchronous programming, Jasmine, SVN (version control), TDD (test driven development), CI/CD, Jest, JIRA, Linux, Design Patterns.**
- Software Engineer** | Xoriant Solutions Private Limited Jul 2019 - Jul 2021
- Led user-friendly application development catering to users of all age groups to provide personalized medicine recommendations expediting the process by **55%**. Utilized **Python, Django, Beautiful Soup** for scraping medicine images from website.
 - Conducted comprehensive root cause analysis and troubleshooting to identify and resolve issues in **MVC** architecture, resulting in a notable **25%** increase in user satisfaction within an **agile** and **SDLC** framework.
 - Partnered closely with QA teams and stakeholders to deliver high-quality solutions by reducing post-release defects by **20%** and a **15%** increase in user satisfaction. Transformed user stories prototypes/wireframes into meaningful features.
 - Led a complex code migration for Disney's Android mobile app, refactoring **100,000+** lines and implementing multilingual support, boosting game performance by **40%** and increasing user base by **30%**.
 - Resolved **over 65 issues** within the **monolithic** architecture codebase, developed using **.NET** and **Blazor**. Led the monitoring of failures through **AWS CloudWatch (cloud computing)**, ensuring system stability and reliability.
 - Tech Stack: Angular 8+, Bootstrap, Python, Beautiful Soup, .NET, C#, Android Studio, Confluence, Cookies**

EDUCATION

- Master's in Computer Science:** George Mason University Jan 2023 - May 2024
- Courses:** Machine Learning, Artificial Intelligence, NLP, Data Structures and Algorithms
- Bachelor's in Information Technology:** BVRIT Hyderabad College of Engineering Aug 2015 - May 2019

ACADEMIC PROJECTS

- Food ordering Application** Oct 2023 - Oct 2023
- Built a food ordering application (web accessibility, responsiveness) incorporating advanced functionalities like **Infinite Scrolling, Category-Based Filtering, Accordion Component**, and seamless **Cart functionality**, leveraging live Swiggy APIs for enhanced user experience.
 - Thoroughly tested the application with **Cypress**, executing over **25 test cases** to ensure comprehensive coverage and robust functionality validation.
 - Tech Stack: React JS, Redux, Tailwind CSS, GitHub, Cypress, Functional programming**

Portfolio

- Designed database schema for user portfolios, alongside the back end facilitating **CRUD** operations.
- Created a **responsive design** user interface utilizing **Next.js** for seamless and efficient web development.
- Tech Stack: Next JS (Serverless), Postman, MongoDB (NoSQL)**

TECHNICAL SKILLS

Languages & Frameworks: HTML, CSS, SASS, TypeScript, ES6, AJAX, jQuery, PHP, Java, Vue JS, Apollo Client

Tools & Cloud Technologies: MySQL, Google Cloud, AWS (EC2, S3), Docker, Kubernetes, Webpack, Babel, Microservice, Docker, Kubernetes, web services, CDN, DOM, Microservices, UI/UX design, NPM, Junit, Maven, BitBucket, MVVM