

PADAMATI SAI SOWJANYA

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TECHNICAL SKILLS

- **Languages:** C | C++ | C# | Javascript | Python | GO
- **Frameworks & Libraries:** Angular JS | React JS | .NET | .NET Core | NodeJS | jQuery | NumPy | Django | Flask | Bootstrap
- **Tools:** Git | Visual Studio | BitBucket | GitHub | Jenkins | Postman | Intelli J
- **Database & Cloud Platform:** MSSQL | MySQL | Azure | IBM Cloud

PROFESSIONAL EXPERIENCE

Florida State University | Researcher

Jan 2023 - Present

- Analysed student data based on the scholarship tests.
- Developed web base application using .NET Core, JavaScript and SQL server.
- Design and developed web-based solutions through all the SDLC phases including business requirements gathering, front end web pages' design and implementation, database implementation, testing, prepare technical and release documentation.
- Involved in design, and development of the UI pages using HTML5, CSS3, Javascript, jQuery, Angular JS.
- Developed and implemented custom logging structure in Event Handlers for all the SSIS packages using SSIS system variables.

Wipro Limited

• JP Morgan Chase & Co. | Full Stack Developer

Jul 2021 – July 2022

- Implemented and maintained Jenkins-based CI/CD pipelines, resulting in a 30% reduction in deployment time, thereby enhancing development efficiency.
- Managed version control using Bitbucket, performed regular code reviews to ensure code quality, and established branching and merging workflows.
- Utilized JIRA for issue tracking, project management, and collaboration, ensuring efficient task management and project progress monitoring.
- Provided guidance and mentorship to junior colleagues, offering support and expertise in addressing technical and functional inquiries.
- Worked in Agile Software, and Test-Driven Development (TDD), conducting Code/Test Case review meetings, participated in daily SCRUM meetings and in sessions for the estimation of Stories.
- Skilled in fostering effective collaboration within cross-functional teams through clear communication of technical concepts, coupled with a strong understanding of Agile practices to drive adaptability and iterative development cycles.

• HPE | Full Stack Developer

Dec 2020 – Jun 2021

- Swiftly debugged programs and efficiently addressed browser-related glitches.
- Managed and fulfilled customer change requests, ensuring timely delivery.
- Proficient in deploying and managing ASP.NET applications on Internet Information Services (IIS) for optimal performance and reliability.
- Analyzed and implemented software and configuration changes to boost performance and functionality.
- Provided consistent support and effective troubleshooting for software systems, resulting in issue resolution and improved performance.
- Strengthened application security measures, ensuring the protection of sensitive data from potential breaches.
- Successfully identified and resolved a critical browser compatibility issue in an ASP.NET MVC and JavaScript-based application. This initiative led to an enhanced user experience and heightened security measures.
- Created Web APIs using ASP.NET Web API allow new web/client projects to leverage reusable data.
- Implemented client side and server-side validations done using JavaScript and Validation Controls.

• HPE | Project Engineer

Jun 2019 - Nov 2020

- Developed an automated dashboard tool using ASP.NET MVC, that led to 40% increase in productivity.
- Transformed Excel sheets into SQL tables, streamlining data management.
- Utilized Azure web services to deploy the tool, ensuring convenient accessibility and usability, and integrated Azure DevOps into the CI/CD pipeline for seamless deployments.
- Collaborated with cross-functional teams to implement innovative website design solutions.
- Created login-based member's area that displays ASP.NET pages based on access levels and assigned Roles.
- Design, build, and maintain efficient, reusable, and reliable code
- Extensively understanding in creating and managing View Models, Views and Partial Views using ASP.NET MVC. Proficient in LINQ for data retrieval, CRUD operations, data filtering & sorting.
- Good working experience with ADO.NET objects such as SQL Connection, SQL Command, Dataset, Data Reader and Data Adapter Objects in Web applications and Win form applications.

ACADEMIC PROJECTS (github.com/psaisowjanya1212)

• FastZIP Faster and More Secure Zero-Interaction Pairing using IoT and Python

Designed and implemented a Python-based solution for zero-interaction device pairing, enhancing security and user experience through advanced cryptography algorithms.

- **Network Statistics Monitoring Tool using Python**

Engineered a robust Python-based network statistics monitoring tool that provided real-time analysis and alerts for network traffic and packet loss issues. Significantly enhanced network troubleshooting capabilities, resulting in reduced downtime and improved operational efficiency for organizations.

- **Chat Application using C++**

Developed a BSD TCP socket-based chat application with client-server architecture, streamlining user interactions and commands for logging in/out, messaging, and quitting.

- **Unix Systems Toolkit for Process and Filesystem Management using C**

Created a Unix systems toolkit in C, combining features of Unix shells and forensic toolkits for efficient process and filesystem management.

EDUCATION

Florida State University | Master of Science in Computer Science (GPA: 3.79 | 4)

Florida, USA

Advanced Data Science, Artificial Intelligence, Operating Systems, Data Structures

Aug 2022 – Present

St. Ann's College of Engineering and Technology | Bachelors in Computer Science and Engineering

Chirala, India

DSA, Theory of Automata and Computation, Operating Systems, Advanced Data structures

Jun 2015 – May 2019

ACCOMPLISHMENTS

- Microsoft Cloud Week Pro – Participant - (Credential URL: <https://www.credly.com/badges/5c6854a2-c735-4925-8adc-7f4c12f1c047>) issued by Microsoft.
- AZ-900 Azure Fundamentals certified - (Credential URL: https://www.credly.com/badges/222ec541-26f3-49f5-bdeb-d206e9d5842a?source=linked_in_profile) issued by Microsoft.
- IBM Cloud Pak for Applications - Architect (Exploration **) (Credential URL: https://www.youracclaim.com/badges/52b8669d-3f6d-4992-ba03-5eec444ceb06/linked_in_profile) issued by IBM.
- IBM Cloud Pak for Applications – Explorer (Credential ID: https://www.youracclaim.com/badges/93b8cbb8-485c-4cb5-a761-ce6faa432f85/linked_i) issued by IBM.
- Certificate of Completion of Learning path on C# - CSharp Programming issued by Topgear, Wipro.