

# Padamati Sai Sowjanya

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## EDUCATION

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### Florida State University

*Masters in Computer and Information Science (4.00 CGPA)*

### St. Ann's College of Engineering and Technology

*Bachelors of Technology, Computer Science and Engineering (83.6%)*

**Tallahassee, FL**

*August 2022 - Present*

**Chirala, India**

*June 2015 - May 2019*

## RELATED COURSEWORK

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- Concurrent, Parallel and Distributed Programming
- Selected Topics in Computer Science (IoT)
- Introduction and Advanced Data Science
- Artificial Intelligence

## WORK EXPERIENCE

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### Wipro Limited | JP Morgan & Chase

*Project Engineer | .Net developer*

**Chennai, India**

*Mar 2022 – Jul 2022*

- Implemented new features in the existing application using C# and Jira.
- Pushed and merged code changes to Bitbucket and deployed updates using Jules pipeline.
- Coordinated and managed testing processes from initial engagement to final deployment.

### Wipro Limited | HPE

*Project Engineer | .Net developer*

**Bangalore, India**

*Dec 2021 – Feb 2022*

- Debugged programs and fixed bugs to resolve browser issues quickly and efficiently.
- Assembled and maintained change requests from customers, ensuring timely delivery.
- Analyzed and designed software and configuration changes to improve performance and functionality.
- Provided ongoing support and troubleshooting for software systems, optimizing performance, resolving issues, and ensuring effective solutions.
- Identified and resolved a critical browser compatibility issue for an application built using ASP.NET MVC and JavaScript, resulting in improved user experience and increased security measures.
- Conducted in-depth research on the latest browser releases and new changes to ensure application compatibility with current browsers.
- Demonstrated problem-solving skills by deep-diving into the core mechanism of how a browser works, debugging code, and finding solutions to ensure smooth functionality across all browsers.
- Developed expertise in increasing application security measures to protect sensitive data from potential breaches.

### Wipro Limited | HPE

*Project Engineer | .Net developer*

**Chennai, India**

*June 2019 -Nov 2021*

- Developed an automated dashboard tool using ASP.NET MVC that tracks projects for a specific manager, including an approval flow for hierarchical levels. Reduced manual work by 20%.
- Converted Excel sheets into SQL tables.
- Trained and assisted junior colleagues with technical and functional queries.
- Deployed tool using Azure web services for easy accessibility.
- Collaborated with product management and engineering teams to implement innovative website design solutions.

## PROJECTS | ACADEMICS

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### • **FastZIP Faster and More Secure Zero-Interaction Pairing using IoT (Present)**

FastZIP is a software project aimed at creating a faster and more secure way to pair devices without any user interaction using python. The current process of manual pairing can be time-consuming and frustrating for users. FastZIP solves this problem by using cutting-edge technology to pair devices seamlessly and securely, employing a zero-interaction pairing method. This unique approach eliminates the need for any user input during the pairing process. FastZIP uses advanced cryptography algorithms to ensure secure communication between devices, thus improving the overall user experience and enhancing security.

- **Chat Application using C++**  
Developed a chat application with a chat server and chat client using BSD TCP sockets for communication. Designed an application layer protocol for message exchange between the client and server, adhering to established principles. Implemented client commands for logging in/out, sending chat messages, and quitting the program, which were forwarded to the server for processing. Configured the programs using a configuration file with keywords and values, including port number, server hostname, and server port number.
- **Unix Systems Toolkit for Process and Filesystem Management using C**  
Developed a simple Unix systems toolkit for process and filesystem management using C programming language, with similar behaviour to both Unix shells and Unix systems forensic toolkits.
- **Word Glimmer using Java**  
Glimmer is a Java based desktop application that incorporates a feature where suggestions are automatically populated as text is being entered into the designated text area.

## SKILLS

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- **Programming language:** C, C#, Java
- **Framework:** .NET, Angular JS
- **Database:** MSSQL Server, MySQL
- **IDE:** Visual Studio
- **Cloud platform:** Azure, IBM Cloud
- **Scripting language:** JavaScript, python
- **OS:** Linux, Windows
- **Version Control:** BitBucket, Git

## ACCOMPLISHMENTS

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- 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](https://www.credly.com/badges/222ec541-26f3-49f5-bdeb-d206e9d5842a?source=linked_in_profile)) issued by Microsoft.
- IBM Cloud Pak for Applications – Explorer (Credential ID: [https://www.youracclaim.com/badges/93b8cbb8-485c-4cb5-a761-ce6faa432f85/linked\\_i](https://www.youracclaim.com/badges/93b8cbb8-485c-4cb5-a761-ce6faa432f85/linked_i)) issued by IBM.
- IBM Cloud Pak for Applications - Architect (Exploration \*\*) (Credential URL: [https://www.youracclaim.com/badges/52b8669d-3f6d-4992-ba03-5eec444ceb06/linked\\_in\\_profile](https://www.youracclaim.com/badges/52b8669d-3f6d-4992-ba03-5eec444ceb06/linked_in_profile)) issued by IBM.
- Coupa 25 P2P Certified.
- Certificate of Completion of Learning path on C# - CSharp Programming issued by Topgear, Wipro.
- Participated in IoT Hackathon, chosen under top 10 and awarded with gold medal.