

Satya Yoganand Addala

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EDUCATION

DePaul University , Chicago, IL <i>Master of Science in Computer Science</i> GPA: 3.68 / 4.00	Mar 2021 - Mar 2024
Amrita Vishwa Vidyapeetham , Kollam, IN <i>Bachelor of Technology in Computer Science and Engineering</i> GPA: 3.27 / 4.00	Jul 2015 - Jul 2019

SKILLS

- **Programming Languages:** Java, Python, C, HTML/CSS, SQL, PL/SQL, JavaScript, C#.
- **Technologies/Frameworks:** Bootstrap, Spring Boot, React.js, AWS, Azure, DevOps, SOAP, REST API, Express, Node.js, Linux, Docker, Iac, Git, Terraform, RPA.
- **Tools:** Blueprism, UiPath, RedHat Ansible, Android Studio.

EXPERIENCE

DePaul University , Chicago, IL <i>Graduate Teaching Assistant – Computer Science Tutor</i>	Sept 2023 - Mar 2024
<ul style="list-style-type: none">• Leveraged robust communication skills to adeptly address students' inquiries about programming concepts, algorithm design, and software engineering principles, fostering clarity and understanding.• Enhanced students' comprehension of software engineering principles through interactive workshops, resulting in a 40% increase in coding test scores and a 25% improvement in project completion rates.	
IBM India Pvt.Ltd. , Kolkata, India <i>Associate Systems Engineer</i>	Jun 2019 - Dec 2021
<ul style="list-style-type: none">• Engineered and developed RPA workflows in Blue Prism and UiPath to automate E1 access network provisioning, significantly reducing manual tasks and accelerating processing time by 15%, demonstrating expertise in automation and process optimization.• Utilized RedHat Ansible playbooks to automate routine tasks, resulting in an 80% reduction in human error rates, optimizing resource allocation within the IT department, and improving operational efficiency and productivity.• Architected and developed user-friendly YAML-based playbooks with interactive prompts, enhancing efficiency and colleague engagement by 50%, showcasing skills in automation and user interface design.• Designed Ansible to automate the integration of AWS services, specifically provisioning EC2 and S3 instances, resulting in a significant 20% reduction in operational costs for the company's cloud computing infrastructure, showcasing proficiency in cloud technologies and cost optimization.	

PROJECTS

Enterprise Work Management Application Object-Oriented Enterprise Application Development	Feb 2023
<ul style="list-style-type: none">• Expertly crafted Spring Boot Applications and established agile CI/CD pipelines, integrating Docker for streamlined application deployment, version control, and software development. Also, Achieved a 40% improvement in deployment efficiency.• Managed various databases including H2, PostgreSQL, and MongoDB for effective data storage to handle over 500TB of data, demonstrating database administration skills and scalability in enterprise-level applications.	
Todo Web Application Web Applications	Oct 2022
<ul style="list-style-type: none">• Implemented a high-performance web application for Todo list management using React.js along with bootstrap dependencies and a Node.js backend API server, resulting in a 60% decrease in user frustration and a 30% improvement in task prioritization efficiency.• Created and deployed a robust Todo management system with CRUD functionality, fortified with secure login/logout mechanisms, resulting in a 40% reduction in data loss incidents and enhanced user experience.	
The Civil Advocacy App Mobile App Development For Android	Dec 2023
<ul style="list-style-type: none">• Created an intuitive Android app using Java, Android Studio, and Volley library, following software development best practices for seamless access to US Representatives' data based on location and party affiliation through a frontend UI/UX.• Ensured data accuracy through API-integrated server communication using Volley for a constantly evolving dataset, adhering to scalability and performance standards.	
The JPaint Application Object-Oriented Software Development	May 2022
<ul style="list-style-type: none">• Engineered a robust Paint application using Java 8 and AWT Swings, focusing on object-oriented design principles to deliver a user-friendly interface and high-quality software.• Expertly implemented SOLID principles and industry-standard Software Design patterns to architect and refactor the project, culminating in an optimized and highly maintainable codebase.	

CERTIFICATIONS

- Cisco Certified Network Associate Routing and Switching (CCNA) – CISCO
- SS&C Blue Prism Robotic Process Automation Professional Certificate