

ACHYUTHANWESH VANGA

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SKILLS

Technical Skills: Java, C#, Python, JavaScript(ES6), SQL, PHP, JDBC, XML, RESTful API's, J2EE, ETL.

Web Technologies: HTML, CSS, Bootstrap, Angular, React, Spring Boot, .NET WinForms, Asp.net(MVC), Asp.net core, flask.

Cloud and Tools: Azure - Virtual Machines, NAT gateways, BLOB, Active Directory, App services, Azure SQL Database, AWS - S3, Lambda, EC2, RDS, SNS, Cloudfront, Version Control System, Virtual Box, Postman, Kubernetes, Docker.

Additional expertise: CI/CD, Agile Methodology, DevOps practices, Design patterns, Neural Networks, System Design, Problem Solving, TeamWork, Distributed System, Multi-tiered systems, Relational databases

EXPERIENCE

Florida State University - LSI, USA | Software Developer

Mar 2023 - Apr 2024

- Engineered a Database Management System using Java, Spring Boot, and Microservices architecture; optimized global holiday data retrieval, achieving a 50% improvement in performance through efficient RESTful API integration.
- Overhauled Cpalms.org with .NET Framework and JavaScript(ES6), boosting user engagement by 25% and daily traffic to over 1,000 visitors by enhancing site interactivity and usability.
- Directed system architecture planning and user interface design, delivering solutions that aligned perfectly with educational standards and significantly improved user experience metrics.

Wipro, Remote, India | Software Developer Intern

Apr 2022 - Aug 2022

- Pioneered the development of a scalable e-commerce platform using ASP.NET Core, C#, and Entity Framework, integrating advanced functionalities like product catalog, shopping cart, secure payment processing, and order management.
- Successfully deployed the application on Microsoft Azure, enhancing system responsiveness and scalability which led to a 30% faster order processing workflow.

Lido Learning, Remote, India | Software Developer Intern

Apr 2020 - Apr 2022

- Developed ERP solutions tailored for finance, inventory, and HR management using .NET technologies, streamlining operations and improving business process efficiency by 30%.
- Spearheaded design and implementation of ERP modules, working closely with stakeholders to ensure solutions met diverse industry needs and drove substantial improvements in workflow efficiencies.
- Maintained rigorous adherence to development standards and timelines, ensuring the delivery of superior ERP systems that bolstered operational effectiveness and business growth.

EDUCATION

Florida State University | Master of Science - Computer Science

Aug 2022 - May 2024 | CGPA - 3.9

Coursework: Computer Networks, Data science for smart cities, Concurrent parallel and distributed computing, AI, Wireless and mobile computing.

Sir Padampat Singhania University | Bachelor of Technology - Computer Science

Aug 2018 - May 2022 | CGPA - 3.7

Specialization: Cloud Technology and Information Security | Honors: President's Gold Medal Awardee

Coursework: RDBMS, Cloud Computing Solutions, Software Engineering, SDLC, Principles of Virtualization, OS, Data Structures and Algorithms using Java, Object Oriented Programming(OOP), AWS, Microsoft Azure,PowerBI,Data Visualization.

PROJECTS

Network Emulator – Internet prototype | [Github](#), Java(Socket Programming-TCP/IP, Multi-threading, I/O operations)

- Architected and implemented a Java-based network emulator simulating IP packet transmissions across routers and bridges. Utilized advanced socket programming with TCP/IP, optimized through multi-threading and efficient I/O operations, following object-oriented design principles.
- Enhanced protocol handling and data transmission efficiency by 30% through the meticulous organization of data structures and improved execution of Address Resolution Protocol (ARP), adhering to a structured layered network architecture.

Campus Recruitment System | [Github](#), ASP.NET, Microsoft SQL Server, Azure App Services, Azure SQL Database

- Developed a comprehensive Online Campus Recruitment System using ASP.NET, providing separate, secure login interfaces for students and recruiters, substantially streamlining the recruitment process and reducing hiring cycle time by 40%.
- Deployed on Microsoft Azure, utilizing App Services and SQL Database for high scalability and security. Implemented features for automatic data population, real-time tracking of fair participation, and dynamic displays of top recruiters, significantly enhancing system functionality and efficiency.

Hotel Reservation System | [Github](#), C#, .NET Winforms, ADO.NET

- Engineered a robust Windows Forms-based Hotel Reservation System using C# and .NET, which automated core operations such as booking, billing, and room management, increasing operational efficiency by 50%.
- Directed the development and integration of modules optimizing room assignment and check-in/out processes, achieving a 10% increase in revenue through improved service delivery and operational management.