

VYSHNAVI MANUBOLU

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Professional Summary

- A hard-working and dynamic graduate skilled in intuitive problem-solving, multitasking, and prioritizing tasks to achieve project goals. Proficient in effective communication and leading meetings to understand and address diverse business needs
- Methodically detail-oriented team player with expertise in research and web development. Proficient in utilizing SharePoint, Power Platforms, SPFX using React JS, SQL, HTML, JavaScript, and Python.
- Proficient in providing client and end-user support, including hardware and software application troubleshooting. Skilled in ensuring optimal performance and user satisfaction through effective support strategies and problem-solving.

Education

Missouri State University

Jan 2023 - Dec 2024

Master's in Computer Science

GPA: 3.97

Sri Venkateswara University College of Engineering

Aug 2016 - Sept 2020

Bachelor of Technology in Electrical and Electronics Engineering

GPA: 3.68

Experience

Missouri State University

May 2023 - Dec 2024

Graduate Assistant at ResNet

Springfield, MO, USA

- Provided dedicated hardware and software support to a network of over 3,000 students and more than 150 staff members, addressing diverse technological needs and resolving nearly 40 issues per week.
- Handled a wide range of technical issues, including printers, mobile devices, laptops, and software. Documented troubleshooting steps and maintained detailed notes to streamline future support. Managed and responded to support requests through phone, email, and ticketing systems, ensuring timely resolution of issues.
- Successfully migrated an existing Power BI report from Oracle to SQL Server, configuring the database and updating all related code. Rebuilt and optimized reports on residence life student data, providing insights into occupancy, gender ratios, room utilization, and student movements.
- Conducted in-depth analysis of residence life data, including annual dropout rates and computer lab requirements per hall. Designed and implemented intuitive data visualizations using Power BI, such as pie charts, bar graphs, and trend lines, to facilitate decision-making for housing management.
- Implemented automatic scheduled refreshes in Power BI, ensuring data accuracy and up-to-date reporting.
- Actively participated in ResNet student employee hiring, supervised over 10 student employees, led 30+ technology projects, and collaborated with other employees to enhance ResNet operations.

Tata Consultancy Services, Client: Ernst & Young

Jun 2020 - Jan 2023

Support Executive

Bengaluru, Karnataka, India

- Supported 40+ applications on SharePoint using Power Automate, PowerApps, and Power BI for a global user base.
- Developed SharePoint web pages, lists, content types document sets, and libraries on SharePoint team site tailored to specific business requirements. Worked on script editor and content editor webparts to customize SharePoint pages.
- Ensured functionality maintenance by swiftly troubleshooting and resolving application issues, typically within a day or less. Utilized ServiceNow for issue tracking, change requests, and enhancements.
- Automated workflows with SharePoint Designer and MS Flow, reducing time for email notifications and critical process updates by 30% to 40%. Developed solutions using React, HTML, JavaScript, and SPFX, followed by rigorous testing to ensure reliability and performance.
- Managed both SharePoint online and on-premises applications, including migrating on-premise applications to the online platform.
- Developed CanvasApps integrated with SharePoint databases, SQL, and Dataverse to streamline processes.
- Developed and deployed Power BI dashboards with custom visuals, Power Query, and DAX for bank confirmation applications, integrating them seamlessly into PowerApps and SharePoint
- Attended weekly stand up calls with business stakeholders to gather and refine business requirements.
- Created and maintained technical documentation, including standard operating procedures, troubleshooting guides, and knowledge base articles
- Provided knowledge transfer (KT) sessions and mentoring for junior developers.

Projects

Optimization of Evolutionary Algorithm using Surrogate Model — | *Genetic Algorithm, NSGA II, ML* **Aug 2024**

- Applied Genetic Algorithms to enhance multi-objective optimization tasks using NSGA-II (Non-dominated Sorting Genetic Algorithm II). Instead of direct evaluation through computationally expensive objective functions, implemented a surrogate model to approximate these functions.
- The surrogate model significantly reduced resource consumption by 90%, streamlining the optimization process and enabling faster and more efficient evaluations.

Mobile Banking App Development Project | *Power Apps, SharePoint Lists, Power Automate* **Oct 2021**

- Developed a PowerApps canvas app as a mobile banking prototype, leveraging SharePoint Online as a secure database. The app features Single Sign-On (SSO), granting users access to account details such as balances, transaction histories, user information, and mini statements.
- Incorporated alerts and transactional email notifications via Power Automate, spending charts via Power BI enriching the overall user experience.

Transmission Loss Minimization with TCSC using PSO Algorithm | *MATLAB, PSO algorithm* **Feb 2020**

- Designed a Particle Swarm Optimization algorithm to strategically position Thyristor Controlled Series Capacitors (TCSC) within transmission lines, effectively minimizing transmission losses.
- Achieved a significant reduction of 40MW in losses on an IEEE-14 bus system while determining the optimal location and reactance of the TCSC Mobile Banking App Development Project.

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, React JS, jQuery, XML

Web services: Rest API.

Cloud Technologies: Azure.

Tools and Technologies: Microsoft O365, Power BI, Power Apps, Power Automate, Power pages, SQL, Dataverse, InfoPath forms, SharePoint Online, SharePoint 2013 & 2019, SPFX, SharePoint Designer, SharePoint O365, Sharegate, Advanced excel

Certifications

- Certified in PL-900 Power Platform Fundamentals. (Oct 2022)
- MS-900 Microsoft 365 Fundamentals. (Dec 2021)

Leadership/Achievements

- Served as a Chief technical member at Ignite club, Sri Venkateswara University.
- Organized the departmental technical fest at SVU attracting over 400 students from diverse academic institutions.
- Conducted many quizzes and events at inter-college fests engaging over 100 participants and receiving commendation for event management.
- Hosted a client visit at TCS facilitating productive interactions and strengthening client relations.
- Cleared Digital exam at Tata Consultancy Services.
- Recognized with multiple awards, including the Technical Excellence award for valuable team contributions, as well as Achiever of the Month and Special Achiever awards at TCS.