Sritha Zith Dey Babu
srithcu@gmail.com | +420607315776

COMPETENCIES

Application Support • SQL Proficiency • Change Management • Time Management • Collaboration • Problem Solving & Diagnosis • Analytical

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Matplotlib, RandomForest, IsolationForest,Seaborn),,R,HTML,CSS,PowerShell,RegEx, JavaScript
Database/studio: PostGresql, Oracle, Excel, Microsoft Fabric (Data Factory, Dataflows, Lakehouse, Warehousing)
ETL : Apache Airflow, SSIS, Talend
Version controls: Azure DevOps, GitHub Actions, GitLab CI/CD)
Operating Systems : Windows
Data Modeling : SQL Server, DAX, M Query
Methodologies: Agile, ITIL, SDLC, ISM, Scrum
Machine Learning: Scikit-learn, TensorFlow (basic)
Developer/Tools: Jira, Power Platform (Power BI, Power Automate, Power Apps), Confluence, Tableau, Postman
Cloud: Azure

EDUCATION

Masaryk University Brno, Czech Republic
Master's in Software Systems and Services Management

Chandigarh University Mohali, India
BSc in Computer Science

WORK EXPERIENCE

Thermo Fisher Scientific Brno, Czechia
Sr. Application Support Analyst, Intern 08/2024-01/2025
- Delivered application support for financial services clients, resolving 95% of incidents within SLA timeframes
- Monitor and manage issue logs to ensure timely resolution of incidents while maintaining SLA adherence
- Collaborate with cross-functional teams to implement root cause fixes, adhering to regulatory compliance
- Created Power App, Optimising SQL Query for both team and client
- Created confluence site for internal usage
- Provide ongoing application support to ensure stable performance and seamless user experience

Kyndryl Brno, Czechia
Mainframe Development, Intern 06/2024-07/2024
- Introduction to Mainframe DB System
- Collaborate with team members and issues investigation
- Collaborate with cross-functional teams to implement root cause fixes, adhering to regulatory compliance

Phoenix United India
Jr Data Analyst, Intern 03/2021-04/2023
- Analyzed large datasets to identify trends, patterns, and insights, leading to a 15% increase in operational efficiency.
- Developed and maintained dashboards using Tableau and Power BI, improving data visualization and decision-making
- Cleaned and transformed raw data using SQL and Python (Pandas, NumPy) to support business intelligence initiatives
- Automated reporting processes, reducing manual work by 30% and enhancing accuracy
- Conducted A/B testing and statistical analysis to optimize marketing strategies, increasing ROI by 20%
- Collaborated with cross-functional teams to provide data-driven recommendations, reducing customer churn by 10%

PROJECT / RESEARCH WORK

Big Data in Smart Healthcare
- Proposed an innovative smart healthcare information system leveraging big data analytics to enhance patient outcomes, customize care, and streamline clinical processes.

- Utilized linear regression for comprehensive data understanding, with a focus on mitigating overfitting challenges

DB Monitoring System
- Developed a user-friendly pandemic application utilizing Oracle APEX platform, offering real-time COVID-19 case updates and state-wise analysis for India
- Achieving 78%data accuracy, this study presents a crucial framework merging advanced techniques for pandemic prediction

Production Support Process Automation
- Automated repetitive production support tasks using Python scripts, improving team efficiency by 20%
- Demonstrating the potential for simple supervised algorithms in high-accuracy predictions, this research offers valuable insights for clinical decision-making and healthcare advancement

Cloud-Based Microservices Platform
- Designed and deployed a cloud-based microservices platform on Azure, leveraging Kubernetes for orchestration and Docker for containerization, ensuring high availability and scalability.
- Set up comprehensive monitoring using Prometheus and Grafana, and enforced security best practices with regular audits and automated security checks to safeguard the platform against vulnerabilities.
- Implemented CI/CD pipelines to automate the build, test, and deployment processes for microservices, significantly reducing deployment times and increasing release frequency.

GRANT PROPOSAL

AI/ML Models to Predict Climate Extremities and Geo-Station Mitigation
Credit Card Data Analysis: Germany UCI Data Bricks

AWARDS

Global Problem Solver NASA
Best Researcher Scopus
Recognized as "Employee of the Month" for proactive issue resolution and exceptional client support