SAP FUNCTIONAL CONSULTANT

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PROFESSIONAL SUMMARY:

SAP Functional Consultant with a master's in computer science from Northern Arizona University, specializing in data science and machine learning. With two years of experience, I have honed my skills in Sales and Distribution (SD) and Order-to-Cash (OTC) processes, excelling in order management, billing, shipping, delivery, and returns. My expertise includes managing project migrations from on-premises systems to SAP HANA and providing technical services such as developing and testing custom scripts. Previously, I served as a Teaching Assistant at NAU and an Associate Software Engineer at Accenture, where I gained a strong foundation in web application development, DevOps, Jenkins, and SAP Fiori. Certified in Python and data analysis, I leverage tools like Python, SQL, AWS, and machine learning to build innovative solutions. I am driven by the opportunity to apply my skills in a full-time role, contributing to cutting-edge, data-driven projects.

EDUCATION DETAILS

NORTHERN ARIZONA UNIVERSITY   January 2023 – May 2024

Master of Science, Computer Science with Distinction

Achieved a Master of Science in Computer Science with Distinction, graduated with an Outstanding 4.0 CGPA, demonstrating exceptional academic performance and mastery of advanced computing concepts. Proficient in Python, C++, and C Programming. Advanced knowledge of data structures and regression analysis and utilizing data analysis tools such as R and SQL. Experienced in data warehousing and network security.

SKILL MATRIX

Category	Skills
SAP	ECC, ERP, SD, HCM, Payroll, Fiori, S4 HANA
Cloud Services	AWS (EC2, Lambda, Glue, Redshift, RDS, S3, SNS, SQS, CloudWatch, CloudTrail, IAM, AWS Elastic Load Balancing (ELB), AWS Auto Scaling, AWS CloudFormation, CloudFront, Elastic Beanstalk, AWS Machine Learning Services), Microsoft Azure (Azure Data Factory, Azure Synapse Analytics), Google Cloud Platform (Big Query, Dataflow)
Big Data Technologies	Apache Hadoop, Apache Spark, Apache Kafka,
Database Technologies	MySQL, SQL, Amazon RDS, Amazon Redshift, Data Warehousing
DevOps	AWS Development Operations (DevOps), Jenkins, Docker, Heroku, Kubernetes
Data Analytics	Pandas, NumPy, SciPy, Data Science, Data Structures & Algorithms, Business Analytics, R, Excel/Numbers/Sheets
Machine Learning	Scikit, Machine Learning, AWS Machine Learning Services
Programming Languages	Python 3.12.0 , C/C++, Java
Web Development	HTML/CSS, Django

WORK EXPERIENCE

TEACHING ASSISTANT || NORTHERN ARIZONA UNIVERSITY   January 2023 – May 2024

- Mentored students in Data Structures, Large-Scale Data Structures, and Python programming, providing tutoring and grading support for approximately 150 students per course, fostering a deep understanding of data engineering principles.
- Personalized tutoring sessions to enhance student comprehension and performance in complex topics, such as algorithm analysis, data structure optimization, and data processing techniques.
- Streamlined grading and feedback processes for assignments and exams in Data Structures, Large-Scale Data Structures, and Python courses, reducing turnaround time by 30% and ensuring timely, constructive feedback, analogous to optimizing data workflows in ETL processes.
- Adapted data engineering skills to maintain accurate grade records, employing efficient data management techniques to ensure data integrity and accessibility.
- Facilitated effective communication between students and faculty, leveraging data visualization and reporting skills to provide clear and actionable insights into student performance and progress.
- Applied data analysis and quality management principles to develop robust assessment methods, ensuring fair and consistent evaluation of student work.
- Automated solutions for repetitive administrative tasks, akin to automating data pipelines, improving efficiency and accuracy in grade record maintenance.
- Guided students in practical applications LSDS and algorithms, preparing them for real-world data engineering challenges and enhancing skills mutually.
- Workshops on advanced Python programming and data processing techniques, equipping students with essential skills for data engineering roles.
- Collaborated with faculty to design and update curriculum content, integrating the latest data engineering concepts and practices to keep coursework relevant and challenging.

SAP SALES AND DISTRIBUTION FUNCTIONAL CONSULTANT || ACCENTURE   September 2021 – January 2023

- Expertise in SAP Sales and Distribution (SD) with a strong focus on order management and contract handling.
- Managed the migration of projects from on-premises systems to SAP HANA, ensuring seamless data extraction and integration.
- Proficient in managing the Order-to-Cash (OTC) cycle, optimizing processes from order entry to final invoicing and payment.
- Coordinated billing processes, ensuring accurate and timely generation of invoices, credits, and debits.
- Oversaw the end-to-end shipping and delivery processes, ensuring compliance with customer requirements and optimizing logistics.
- Managed returns processing, including credit and debit adjustments, ensuring customer satisfaction and accurate financial reporting.
- Collaborated with cross-functional teams to streamline the integration of sales orders with inventory and logistics, reducing processing time and errors.
- Provided SAP technical services, including the development, testing, and maintenance of custom scripts and functionalities.
- Developed and maintained documentation for SAP processes, maintenance plans, and scheduling for both groups and individual assets.
- Applied advanced Excel skills to transform data, draw conclusions, and extract insights for database creation and enhancement.
- Experienced in configuring discounts for maintenance groups and individual contracts within the SAP framework.

PROJECTS

DATA WAREHOUSING

- Developed a comprehensive data warehousing solution utilizing Fact tables, Dimension tables, and the Star Schema method to efficiently organize and analyze healthcare datasets.
- Applied XLOOKUP and VLOOKUP functions to identify and eliminate duplicate data entries, ensuring data accuracy and consistency.
- Imported cleaned data into Microsoft Access for robust data integrity mapping and validation, enhancing data reliability.
- Leveraged drag-and-drop functionality in Microsoft Access to create and configure tables and fields, streamlining data visualization and extraction processes.

- Generated and executed advanced SQL queries to extract actionable insights from the healthcare data, supporting strategic decision-making and reporting.

DISEASE PREDICTION MODEL USING MACHINE LEARNING
- Created a disease prediction model using machine learning techniques, leveraging Python libraries such as NumPy, Pandas, and Scikit-learn to efficiently process and analyze large datasets.
- Achieved a 90% accuracy rate with the Gaussian Naïve Bayes algorithm, demonstrating the model's effectiveness and potential for real-world medical applications.
- Conducted extensive data preprocessing and feature engineering, enhancing model accuracy and reliability by transforming raw data into meaningful features.
- Collaborated with a multidisciplinary team to integrate domain expertise into the model development process, ensuring relevance and applicability to medical data.
- Validated and tested the model using cross-validation techniques to ensure robustness, generalizability, and prevent overfitting, assessing performance on unseen data.
- Documented the entire model development process, including code, methodology, and results, to facilitate reproducibility and knowledge sharing among team members and stakeholders.

DEEP STATE TESTING
- Employed Deep State framework in C++ to enhance software assurance testing, with a focus on improving robustness and reliability.
- Achieved a 40% reduction in production defects through rigorous testing methodologies and bug detection strategies.
- Increased overall software quality by 30% through systematic testing and the implementation of quality improvement initiatives.
- Attained a code coverage of 41.43% by conducting thorough coverage analysis, ensuring comprehensive testing of critical code paths.
- Streamlined testing processes and methodologies, improving efficiency and effectiveness, and contributing to smoother software development lifecycle outcomes.

COVID SUPPORT SYSTEM – DJANGO WEB APPLICATION
- Hosted a web application using the Django framework to support COVID-related initiatives, focusing on rapid, secure, and scalable web development.
- Python for backend development, ensuring robust functionality, seamless data management, and efficient handling of COVID-related information.
- HTML and CSS for frontend design, prioritizing user-friendly interfaces and accessibility to ensure broad user engagement.
- Integrated MySQL databases for efficient data storage and retrieval, ensuring reliable and secure management of COVID-related data.
- Git for version control and collaboration, using commands like git commit, git push, and git pull to manage code changes, track development progress, and host the application on a cloud repository.
- Deployed the application on the Heroku platform, leveraging its capabilities for easy scaling, monitoring, and application management.
- User authentication and integrated interactive components to enhance usability, ensuring a comprehensive and secure user experience.
- Documented the entire development and deployment process, including codebase, features, and strategies, to facilitate knowledge sharing and ensure ease of future maintenance.

AWARDS & ACHEIVEMENTS
- Secured a full-time position by achieving an All-India Rank of 3,834 out of 650,000 participants in TCS Code Vita Season 9, showcasing strong coding skills.
- Recognized as the top performer in a European project group at Accenture, significantly contributing to project success and team performance.
- Awarded a Certificate of Achievement for completing the "Step into Robotic Process Automation" course during GUVI's RPA SKILL-A-THON 2020, demonstrating proficiency in automation technologies.
- Received the "Best NSS Volunteer" award at the college level for outstanding service during 2018-2019, reflecting strong leadership abilities and dedication to community service.
- Earned a Certificate of Merit for a poster presentation on Engineer's Day, demonstrating effective communication and the ability to convey complex technical concepts.

CERTIFICATIONS

- AWS Certified Data Engineer - Associate: Demonstrates expertise in designing, deploying, and managing data solutions on AWS, with a strong understanding of AWS services and architecture.
- Microsoft Power Platform Fundamentals: Certified knowledge in building solutions using Microsoft Power Platform, including Power Apps, Power BI, and Power Automate.
- DevOps: Proficient in DevOps practices and tools, including CI/CD pipelines, infrastructure as code (IaC), and automated deployment processes.
- Programming for Everybody (Getting Started with Python): Completed a foundational course in Python programming, covering basic concepts and syntax, laying the groundwork for advanced programming skills.
- Hacker Rank - Python (Basic): Successfully completed the Python (Basic) assessment, validating programming proficiency and problem statement solving capabilities in Python.
- Data Science Foundations, Data Analysis using Python, Machine Learning using Python: Completed courses in data science, covering foundational concepts, data analysis techniques, and machine learning algorithms using Python.
- SQL: Proficient in SQL for querying, managing, and analyzing data within relational databases, ensuring efficient data retrieval and manipulation.
- Jenkins: Experienced in using Jenkins for automating builds, testing, and deployments, supporting continuous integration and continuous delivery (CI/CD) processes.
- Certification in Robotic Process Automation (RPA) – GUVI: Gained proficiency in automating repetitive tasks using RPA tools, improving operational efficiency and process consistency.
- Certification in Internet of Things (IoT): Acquired knowledge of IoT technologies, including sensor integration and data analytics, to support the development of interconnected systems and smart solutions.
- Web Development Using Django: Skilled in developing web applications using the Django framework, including backend development, database integration, and front-end design.

VOLUNTEERING

- Volunteer Coordinator, Accenture, Organized and led various volunteer events, including blood donation camps and fundraising initiatives. Demonstrated commitment to corporate social responsibility and community engagement.
- Active Volunteer, One Step Towards Society (Environmental Wellness NGO), Participated in tree planting and environmental wellness activities. Promoted sustainable practices and contributed to environmental conservation efforts.
- Fundraising Organizer, Planned and executed crisis and tragedy fundraising events. Showcased leadership and compassion while supporting communities affected by crises.
- Student Ambassador, NAU, Supported 500 new students during campus events. Facilitated their integration into university life through effective communication and resource coordination.
- Class Representative, Pragati Engineering College, Improved student-faculty communication and organizational efficiency. Led events and advocated for student interests, fostering a collaborative academic environment.
- Student Coordinator, Technical Fest, Pragati Engineering College, Managed planning and logistics for technical events. Ensured successful execution through detailed coordination, leadership.