Omkar Menkudale

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EDUCATION

The University of Texas at Arlington, TX, United States
Master of Science in Information Systems (GPA: 3.67/4)   *December 2023*
Graduate Certificate in Business Analytics
Courses: Business Statistics, Web Social Analytics, Data Mining, Project Management, Data Warehousing, Business Intelligence, Evidence-Based Management, Management of Information Technologies, System Analysis & Design

International Institute of Information Technology, Pune University, India
Bachelor of Engineering in Information Technology (GPA: 8.23/10)   *October 2020*
Courses: Data structures, Object Oriented Programming, Computer Networking, Cloud Computing, Database Management, Human-Computer Interaction, Design & Analysis of Algorithms, Data Science & Big Data Analytics, Information & Cyber Security, Machine Learning, Software Design & Modelling, Business Analytics & Intelligence, Software Testing & QA, IOT

SKILLS

Programming: Python (BeautifulSoup, NumPy, Pandas, Matplotlib, Scikit learn), C, MySQL, HTML, CSS, MongoDB
Data Management: MS Excel, Tableau, Power BI, Google Data Studio
Tools and Technologies: AWS, MS Azure, JIRA, UML, Visual Studio, Microsoft Project, MS Office Suite, UAT Testing, Salesforce

CERTIFICATIONS & LEADERSHIP

- **Certifications:** AWS Cloud Practitioner *(Apr 2021)*, Microsoft Azure (DP-900, AZ-900, SC-900, AI-900)
- **Trainings:** Securonix SNYPR platform Boot Camp, AlgoSec: ASMS Foundations (Firewall Analyzer and FireFlow)
- **MOOC Courses**: AI for Everyone, Marketing Analytics, Negotiation Skills, Machine Learning for Business Professionals
- **Sports Club Committee Head of I2IT**, 2019 to 2020 – Managed and spearheaded all major sporting events held on campus

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, Data Warehousing and Business Intelligence   *Jan 2023 - Present*
The University of Texas at Arlington, TX, United States
- Delivered a dynamic and engaging learning experience to a diverse class of 97 students, resulting in a 22% increase in overall performance and a 92% satisfaction rating, through challenging exams and assignments that fostered critical thinking, problem-solving skills and enhanced subject understanding
- Trained and provided technical support to students by demonstrating functionalities of various tools including Web Pivot Table, SAP HANA, Analysis for MS Excel, MS SQL Server Management Studio, Hadoop, and Hive Query Language

Systems Analyst, Assistant Project Manager   *Nov 2020 - Dec 2021*
HDFC Bank (IT Department), Mumbai, India
- Managed and documented 3-5 monthly periodical activities including HA testing and DR drill executed by a 25-member vendor team, resulting in around 20% increased system uptime, reduced data loss risk, and elevated customer satisfaction
- Monitored security devices downtime daily using HP Nom tool and managed its EOS (End of Support) lifecycle, saved thousands of dollars in downtime costs, ensured regulatory compliance, and oversaw security device upgrades
- Ensured secure access management by taking ownership of Active Directory groups in accordance with IAM principles, mitigated risk of security breaches and safeguarded sensitive data
- Conducted training for new team members on organizational infrastructure, Agile POD team roles, and responsibilities, maintained detailed minutes for all meetings to ensure team accountability and alignment

WORK PROJECTS

Algosec   *Dec 2020 - Dec 2021*
- Procured and set up new infrastructure required for project while following security compliance requirements, resulting in a secure and efficient system with zero security breaches
- Achieved a considerable productivity increase by adopting 30-60-90-day roadmap Agile methodology
- Analyzed project bottlenecks, resulting in identification and resolution of critical issues, reducing project timeline by 25%
- Carried out UAT testing, troubleshooted and resolved bugs and issues in collaboration with development team, leading to a smooth production rollout, performed post-production maintenance checks to ensure proper system functionality
- Reduced execution time of Change Management process by 30% by automating 4 steps using Robotic Process Automation, resulting in a substantial reduction in manual workload and an increase in process efficiency

Centralized Authentication Platform   *June 2021 - Dec 2021*
- Collaborated with cross-functional teams to gather and document all functional, business, and non-functional requirements
- Conducted thorough evaluations of potential vendors, including IBM, Biocatch, Deloitte, and Forgerock, and presented recommended solutions to senior management for approval
- Predicted cyber frauds and unauthorized transactions by integrating the Machine Learning and Artificial Intelligence based authentication platform with in-house system, significantly reducing financial losses and bolstering customer trust and satisfaction

Cloud Landing Zone   *Aug 2021 - Dec 2021*
- Collaborated with internal team, vendor, and AWS teams to design and develop Cloud Landing Zone, resulting in a considerable reduction in AWS service costs through efficient resource utilization
- Orchestrated the successful deployment of the Cloud Landing Zone by meticulously preparing and monitoring the implementation plan, which was executed by the vendor team under our supervision

ACADEMIC PROJECTS

HR Attrition Rate predictor engine, *Oct to Dec 2022*: Developed an AI-based engine to predict employee attrition rate with an accuracy rate of 83%, enabling proactive measures for employee retention
Agro-Intelligent Farming System (SEEDO), *June 2019 to Sept 2020*: Applied Machine Learning algorithms to predict suitable crops based on conditions, optimize irrigation and fertilization processes, and prevent plant diseases, resulting in a 35% increase in crop yield and a significant reduction in water and fertilizer usage