

Aman Dhakad

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EDUCATION

Master of Science, Information Technology and Management

Jan 2023 - Dec 2024

Illinois Institute of Technology, GPA 3.8/4

Chicago, IL

Relevant Coursework: Web Development, Machine Learning, DBMS, Database Security, Data Warehousing, Project Management.

Bachelor of Technology, Computer Science and Engineering

May-2018 - Jun-2022

Rajiv Gandhi Proudlyogiki Vishwavidyalaya

Indore, India

PROFESSIONAL EXPERIENCE

HieCOR Software Technologies

Feb 2022 - Nov 2022

Software Engineer

Remote

- Enhanced SAP QM System Efficiency by assisting in optimizing system performance, reducing defect resolution time by 30%.
- Supported process improvements by helping streamline workflows, improving compliance and operational efficiency.
- Resolved critical system issues by contributing to troubleshooting efforts, reducing downtime by 40%.
- Assisted in SAP QM upgrade by working on system enhancements to ensure smooth functionality and better user experience.
- Improved data-driven decision-making by helping integrate predictive analytics, reducing quality issues by 20%.
- Collaborated with supply chain and manufacturing teams to ensure seamless SAP QM integration, improving production efficiency.
- Contributed to user training and adoption by assisting in developing training materials, reducing SAP QM-related support requests.

Pep Coding Education

Jul 2021 - Dec 2021

Software Engineering intern

Remote

- Analyzed data from 800+ online students, identifying patterns in user behavior, learning progress, and performance metrics using Python, Pandas, and NumPy, driving platform improvements that increased student retention by 15%.
- Designed and optimized database queries using PL/SQL for efficient data extraction, improving data retrieval speed and accuracy. Managed data storage and organization to enhance reporting capabilities and support informed decision-making.
- Generated monthly reports using Tableau, showcasing key insights on platform growth, user demographics, and learning outcomes, contributing to a 20% increase in targeted marketing efforts.
- Built and implemented data models in PostgreSQL, enhancing data storage, retrieval efficiency, and supporting better decision-making processes across the platform.

PROJECTS

ASL Prediction using Vanilla CNN 5 Layered Architecture | [Link](#)

- Deployed a CNN model using Flask for predicting American Sign Language with 85% accuracy, utilizing Pandas, NumPy, TensorFlow, and Flask

Assistive Vision | [Link](#)

- Developed "Assistive Vision" for visually impaired users, providing real-time object descriptions and auditory feedback via webcam.
- Utilized BLIP for image captioning, OpenCV for video capture, and pyttsx3 for text-to-speech, creating an accessible solution to enhance environmental awareness.

Sales analysis (Microsoft Fabric)

- Designed a data warehouse using a data lake medallion architecture, following the ETL process with Microsoft Fabric and Azure Blob Storage, reducing report generation time by 30%.
- Produced accurate facts and dimensions for the warehouse, creating Power BI reports with actionable insights, increasing business efficiency by 20%.

Sentiment Analysis for U.S. Election Prediction

- Conducted sentiment analysis on 100,000+ election-related tweets using NLP, achieving 75% accuracy in classifying voter sentiment and predicting election trends.
- Performed data preprocessing, exploratory analysis, and sentiment classification, providing valuable insights into voter sentiment.

SKILLS

- **SAP & ERP Systems:** SAP Quality Management (QM), Supply Chain, and Manufacturing modules.
- **Programming Languages:** Python, Java, SQL, JavaScript, C++ for automation and integration.
- **Database & Data Management:** MySQL, PostgreSQL, MongoDB for structured and unstructured data handling.
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Git, Jira for system integration and CI/CD.
- **Quality & Compliance:** GxP, FDA, ISO standards, process optimization, and workflow automation. Software Development and

ACHIEVEMENTS AND CERTIFICATION

- **Google Data Analyst Certificate:** Proficient in data analysis techniques, visualization, and statistics | [Link](#)
- **Ranked 6th in Data Structure and Algorithm and 4-star coder status on Code chef** | [Link](#)