

ARTHI ANBALAGAN

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Detail-oriented Business Intelligence and Data Analyst with expertise in advanced analytics, SQL, data visualization, and interactive dashboard development. Proven experience in delivering actionable insights, optimizing data pipelines, and driving strategic decisions through data-driven solutions.

SKILLS & CERTIFICATIONS

- **Programming Languages:** SQL, Python, Java
- **Frameworks and Tools:** Power BI, Qlik, Cognos, Tableau, IBM SPSS, GitHub, Excel, Visual Studio, SSIS, SSMS
- **Certifications:** Microsoft Power BI (DA-100) and Azure Fundamentals (AZ-900)

WORK EXPERIENCE

Cognizant Technology Solutions, Chennai, India

Nov 2019 – Dec 2022

Power BI Developer

- Designed and maintained 50+ Power BI dashboards, improving reporting efficiency for CIO board members by 30%.
- Developed and optimized 100+ complex SQL queries in SSMS for data extraction, transformation, and loading (ETL), which boosted database performance by 25%.
- Enhanced dashboard performance by using advanced DAX calculations, reducing report load time by 30%.
- Automated data pipelines using SSIS packages, reducing manual processing time by 20+ hours per week.
- Collaborated with business stakeholders to define KPIs, data metrics, and reporting requirements.

Eclinicalworks, MA

Jun 2024 – Aug 2024

Business Intelligence Analyst Intern

- Developed and tested 15+ custom Cognos 11 reports, enhancing analytics for 100+ healthcare facilities.
- Conducted SQL-based data analysis to support the 340B Program, identifying key cost variables and uncovering potential savings of 10%.
- Created Power Automate templates, streamlining workflow processes and supporting patient care automation.

Pennsylvania State University, PA

Jan 2023 – Dec 2024

Graduate Teaching Assistant

- Assisted the professor in delivering high-quality education to over 80 students in the Stats200 course by providing technical support, conducting Q&A sessions, and offering guidance on statistical software and tools.

PROJECT

Development of an In-patient Surgeries DBMS for UPMC

Jan 2023 – Apr 2023

- Developed and implemented a centralized database using Oracle SQL+ to manage data for over 10,000 patients at UPMC's in-patient surgeries and streamlined data access for patients and doctors, reducing administrative workload by 30%.

Loan Approval Decision-making Using Datamining Models

Aug 2023 – Dec 2023

- Led a project utilizing IBM SPSS and StatTools for advanced Regression models, achieved 90% accuracy through data preprocessing and reducing loan approval processing time by 20%.

Analysis of Electronics Dataset

Jan 2023 – Apr 2023

- Utilized Excel for data cleaning, validation, normalization, and transformation of 500K+ rows across 80 attributes and performed advanced analyses such as hypothesis tests, ANOVA, and regression, improving data-driven decision-making accuracy by 15%.

EDUCATION

Pennsylvania State University, PA

Dec 2024

Master of Science in Information Systems, (GPA – 3.9)

Anna University, Chennai, India

Jun 2019

Bachelor of Engineering in Electrical and Electronics

LEADERSHIP SKILLS

- **Global Ambassador at Penn State University:** Organized 15+ events promoting cross-cultural diversity.
- **Joint Secretary at Anna University:** Organized 10+ technical events, demonstrating strong management skills.