

# AKASH M DUBEY

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## EDUCATION

**MS in Information Systems (Computer Science) | Northeastern University, Boston, MA | GPA 3.7** **May 2021**

Courses: Designing Advance Data Architecture and Business Intelligence, Database Management and Database Design Application Engineering Development, Data Science Engineering Methods and Tools

**BE in Electronics and Telecommunication | TCET, Mumbai University, Mumbai, India | GPA 3.5** **May 2017**

Courses: Structured Programming Approach, Object Oriented Programming, Business Communications and Ethics

## SKILLS

<b>Database:</b>	Microsoft SQL server, MySQL, PostgreSQL, Oracle 11g
<b>Data Integration:</b>	Talend Master Data Management, Alteryx, Microsoft SQL Server Integration Services (SSIS), MS Azure
<b>Business Intelligence:</b>	Tableau, Microsoft Power BI, ER Studio Data Architect, Qlik Sense, PowerPoint, MS Excel
<b>Programming Languages:</b>	Python, Java, C#, SQL; <i>Python Libraries:</i> Pandas, NumPy
<b>Statistical Analysis:</b>	Linear Regression, Logistic Regression Decision Tree, Random Forest, Boosting
<b>Business Analysis:</b>	Requirement elicitation and documentation, functional testing, use cases, UML
<b>Software Methodologies:</b>	Waterfall, Agile, BABOK, SAFe
<b>Other tools:</b>	Jupyter Notebook, NetBeans, MS Visio, JIRA, Adobe Analytics, GitHub, Bit Bucket, SSMS, Kaggle
<b>Certification:</b>	Google Analytics, Tableau desktop specialist (in process), Power BI badge (LinkedIn Learning)

## PROFESSIONAL EXPERIENCE

**Software & Business Intelligence Analyst – Financial Services | Accenture, Mumbai, India** **Dec 2017 – Aug 2019**

*Awarded as 'Excellent Team Member' for key contribution in Project throughout the year*

- Analyzed client's technical and business requirements through document analysis, evaluation and workflow analysis
- Built **Interactive Dashboards** to analyze customer sales and assisted client for making decisions on data **infographics**
- Led the team of 10** to migrate **MS-SQL** database to **MY-SQL** database with conversion of **107** stored procedure, triggers, functions and database schemas within **25** days reducing server cost to **25%**
- Advanced to all phases of **SDLC** – Plan, Design, Development and Testing and coordinated with Client within each sprint cycle
- Automated **ETL** pipelines on **SQL** server and forecasting models coded in python leading to **8%** increase in sales in **2** quarters
- Devised software framework of new business lines; through data modelling of new products, conceptualization and storyboarding through PowerPoint as per product **strategy** and use case
- Led a team of **6** people to establish and promulgate best practices for version control for entire project
- Facilitated with post deployment team to resolve bugs & deploying fixes through scripts, increasing application stability by **30%**

**Associate Business Data Analyst | Vaisansar, Mumbai, India**

**June 2017 - Dec 2017**

- Collaborated cross functionally with Finance, Operations & IT teams to define business rules & implement actionable workforce planning models to track business productivity with **\$1** billion cost
- Built reusable monthly **data pipelines** with data engineers using SQL and Python for multi-use ETL workflows & manage integration
- Designed enterprise data models, **ETL** mappings, workflows in Talend to integrate various unstructured and disjointed data sources
- Increased **25%** efficiency for quality team by automating workflow via **SQL** scripts and **Python** script
- Generated real time business **reports & dashboards** for displaying key pointers through **tableau** and **power bi** for better decisions
- Implemented **regression model** to estimate customer investment towards organization profit

## ACADEMIC PROJECTS

**Data Warehousing and Business Intelligence | ER studio Data Arch, SSIS, Qlik Sense, Power BI, Talend** **Jan 2020-Present**

- Performed Data modelling, Data Profiling on Adventure Works Database using **SQL** Server and **ER studio** Architect
- Devised Data Warehouse Model for Retail Data using **Talend & SSIS** to design jobs for integrating data from multiple sources i.e. **SQL** scripts, **XML** files, **Excel**, **Spreadsheets** & Implemented Slowly Changing Dimensions (**SCDs**) to integrate data in Talend
- Built **dashboards** in Power BI based on Product Sales, Online Sales & reject analysis to help stakeholders derive business strategies

**Online Food Delivery Management System | SQL Server, Toad Data Modeller, Power BI**

**Sept 2019 - Dec 2019**

- Designed **ER** model for Transactional Database and dimensional models for data warehouse for a food delivery company
- Created SQL **DDL** script to generate database structure and construct **32** tables in MS SQL Server
- Delineated the **Entity Relationship** model considering necessary database tables using Toad Data Modeler
- Constructed more than **10** triggers, **13** Stored Procedures, **8** Functions, **3** Encryption keys and Subqueries
- Performed database functionalities such as User roles/Privileges for **5** User logins, **3** Views to display subset of information, Table Locks to restrict Table WRITE operations

**'AASHA' Food Management System | Java swing, DB4Outil**

**Oct 2019 - Dec 2019**

- Developed a multiparty application among enterprises using JAVA swing components on **Ecosystem Software Architecture**
- Maintained **centralized database** using **JAVA DB4Outil**, engineered features like **PDF report generation and Email alerts**