

# AMISHA ASIF

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## EDUCATION

### K.K. UNIVERSITY

Bachelor of Technology, Computer Science & Engineering

2020-24

8.78/10

## WORK EXPERIENCE

### OASIS INFOBYTE

Data Science Intern

Feb – Mar 2024

- Developed and implemented machine learning models for predictive analysis, improving forecasting accuracy by 30%.
- Engaged in data preprocessing, feature engineering, and model evaluation to enhance decision-making and strategic planning.
- Analysed large datasets using Python and SQL, generating insights that supported strategic decision-making.

## PROJECTS

### CREDIT CARD DEFAULT PREDICTION | [LINK](#)

(PYTHON, EXCEL, EDA, ML)

- Developed a predictive model to assess the likelihood of credit card payment defaults among customers in Taiwan.
- Implemented advanced statistical techniques to estimate the probability of default, providing a more nuanced understanding of credit risk compared to traditional binary classifications.
- Utilized various machine learning algorithms and evaluation metrics to ensure high predictive accuracy, delivering actionable insights for credit risk management.

### BUDGET SALES DATA ANALYSIS | [LINK](#)

(PYTHON, EXCEL, POWER BI, EDA)

- Conducted detailed analysis of sales data to uncover trends in product performance and customer behaviour.
- Extracted critical insights using statistical techniques to support data-driven decision-making.
- Designed an interactive dashboard for visualizing key performance metrics, enhancing real-time monitoring and analysis of business performance.

### TRANSACTION AND CUSTOMER ANALYSIS | [LINK](#)

(SQL, EXCEL, POWER BI, DAX)

- Developed an interactive dashboard using transaction and customer data from a SQL database to provide real-time insights.
- Streamlined data processing & analysis to monitor key performance metrics and trends.
- Utilized Power BI's advanced analytics and data modelling capabilities to enhance financial decision-making and provide actionable insights for better management.

## SKILLS

**Languages:** SQL, Python, UNIX/LINUX

**Database Visualization:** Power Bi, Tableau, Matplotlib, Seaborn

**Databases:** PostgreSQL, MySQL, Oracle

**Tools:** Ms Excel, Jupyter Notebook, VS code, Jira

**Key Competencies:** Statistics, EDA, Problem Solving, decision making, Storytelling, Analytical & Reporting Skills

**Others:** Cloud (AWS), Scikit-learn (Machine Learning), PySpark, ETL, Git & GitHub

## CERTIFICATIONS

- Cloud Computing with AWS.
- Machine Learning Specialization.

## OTHER ACTIVITIES

- Led the organization and execution of the “Beti Padhao Beti Bachao” event at a local school, aimed at raising awareness about the importance of female education and empowerment.
- Conducted comprehensive market research for the potential sale of phenyl in the local community, analysing customer preferences and competition as a part of a small business initiative.
- Awarded first place in a university-level presentation competition for delivering a clear, impactful, and engaging presentation, demonstrating excellent public speaking and communication skills.