MOHAMED AKEEL ABBAS.S

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SUMMARY

Innovative data analyst with experience in creating interactive Power BI dashboards to enhance data-driven decision-making. Engineered solutions that quantified user engagement and improved analysis accuracy for cross-departmental stakeholders. Seeking a challenging role to leverage visualization skills to drive strategic initiatives through insightful data interpretation

EXPERIENCE

In plant training in Manufacturing operation (Intern)   **August 2021 - September 2021**
Lenovo

- Supported production operations by coordinating tasks on the shop floor, enhancing operational efficiency and workflow management.
- Collaborated with cross-functional teams to monitor machine performance, identify process bottlenecks, and propose improvement strategies.
- Gained practical experience in quality assurance, inventory tracking, and lean manufacturing principles within a fast-paced industrial environment.

PROJECTS

Health Prediction Model

- Built a machine learning model to predict the risk of diseases (like diabetes or heart disease) using patient data (age, BMI, blood pressure, etc.).
- Used Python, Pandas, and Scikit-learn for data preprocessing and model building.
- Applied Logistic Regression and Random Forest algorithms; achieved over 85% accuracy.
- Visualized results using Matplotlib and Seaborn.
- Goal: Help doctors identify high-risk patients early.

Email Spam Detection

- Developed a text classification model to detect spam emails.
- Used Natural Language Processing (NLP) techniques like tokenization, stopword removal, and TF-IDF.
- Trained models using Naive Bayes and Support Vector Machine (SVM).
- Achieved ~95% accuracy on test data.
- Created a simple user interface with Python (Tkinter) for testing new emails.

Power BI - Sales Summary

Completed as part of academic training at institute

- drive.google.com/file/d/1mSwghMyLWk2BRhxyxgsb7Cj9fQB-t8jZ/view?usp=drive_link
- Engineered a Power BI sales summary dashboard that provided actionable insights, reducing report generation time by 40% and enhancing data driven decision-making capabilities for the sales.
- Constructed an advanced Power BI sales summary dashboard, enabling real-time visibility into key sales metrics and reducing manual reporting tasks by 50%, thereby accelerating strategic decision-making processes.
- Architected a comprehensive Power BI sales dashboard that offered dynamic data visualization, boosting strategic insights and decreasing analytical processing time by 35% for the sales team

Power BI - Amazon Data Analysis   **January 2025 - March 2025**
Completed as part of academic training at institute
- drive.google.com/file/d/1mSwghMyLWk2BRhxyxgsb7Cj9fQB-t8jZ/view?usp=drive_link
- Designed user friendly visualization to effectively communicate findings.
- Engineered an interactive Power BI dashboard to visualize and analyze Amazon Prime and product data, offering actionable insights and enhancing data-driven decision-making for cross-departmental stakeholders.
- Developed advanced Power BI reports that provided key insights into Amazon sales trends, leading to a 15% improvement in strategic planning and data accuracy across marketing and sales departments.

EDUCATION

Bachelor of Engineering in Computer Science   **Sep 2021- May 2025**
Mohamed Sathak AJ College of Engineering, Chennai
- Proficient in Python, SQL, Power BI, and data analysis.
- Basic foundation in AI, machine learning, and data science.
- First Prize in College-Level Carrom Competition.
- Certificate in MathTrick Competition.
- Completed an internship at Lenovo in the production unit.
- Currently pursuing a Data Science course with a focus on Python and AI

CERTIFICATIONS

Data Analytics with Python   **NPTEL - 2024**
- The Data Analytics with Python course by NPTEL deepened my understanding of data handling, statistical analysis, and visualization using Python. It enhanced my skills in libraries like pandas, matplotlib, seaborn, and scikit-learn, allowing me to perform exploratory data analysis, hypothesis testing, and basic machine learning—essential tasks in any data-driven role

Network Essentials   **TNSDC, CISCO - 2023**
- Completed Network Essentials certification under TNSDC and CISCO, gaining foundational knowledge of networking concepts and infrastructure.
- Learned key topics including IP addressing, network protocols, OSI model, routing and switching basics, and network security.
- Developed hands-on skills in configuring routers/switches, troubleshooting network issues, and understanding real-world LAN/WAN environments.

Python for Data Science   **IBM Virtual Platform - 2022**
- The Python for Data Science course by IBM provided me with a strong foundation in Python programming, specifically tailored for data analysis and machine learning. I learned to work with libraries like NumPy, pandas, and matplotlib, and gained hands-on experience in cleaning data, visualizing trends, and building simple predictive models. This training directly supports my ability to handle real-world data and contribute effectively to data-driven project

SKILLS

- **Technical Skills:** Data Analysis & Visualization Data Cleaning & Preprocessing Dashboard Creation (Power BI) Exploratory Data Analysis (EDA) Machine Learning (Basic Models Using Scikit-learn) Report Generation & Interpretation Version Control (basic Git/GitHub Use)
- **Hard Skills:** Python For Data Science (IBM Certified) Data Analytics With Python (NPTEL Certified) Power BI For Dashboarding Working With Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn Internship Experience In Real-time Production Environment (Lenovo)
- **Soft Skills:** Quick Problem Solving (evidenced By MathTrick Certificate) Logical Thinking & Numerical Aptitude Time Management Adaptability (In-Plant Training Experience) Self-Motivation & Continuous Learning Team Collaboration (NCC Volunteering Experience, Flexibility, Communication Skill
- **Languages:** Python , SQl